CITY OF BELL GARDENS

CONTRACT DOCUMENTS
PLANS, SPECIFICATIONS AND STANDARD DRAWINGS

FOR

VARIOUS ALLEYS IMPROVEMENTS
FY 2021-2022
C.I.P. NO. 3917

IN THE CITY OF BELL GARDENS

PREPARED BY:

INFRASTRUCTURE ENGINEERS

3060 Saturn Street Suite 250
Brea, CA 92821
714-940-0100, 714-940-0700

Contact: Douglas Benash, P.E., City Engineer

Infrastructure Engineers Project No. 6027.295

BID OPENING: APRIL 27, 2023, THURSDAY AT 11:00 AM

VARIOUS ALLEYS IMPROVEMENTS
FY 2021-2022
C.I.P. NO. 3917

IN THE CITY OF BELL GARDENS

BID SCHEDULE

- Bid Period — April 13, 2023 – April 27, 2023
- Bid Opening — April 27, 2023, (Thursday, 11:00 AM)
- Award of Contract — May 22, 2023, City Council meeting
- Pre-Construction Meeting — June 5, 2023
- Construction Begins — June 19, 2023

Bids will be received at the office of the City Clerk, City Hall, 7100 Garfield Avenue, Bell Gardens, CA 90201, 11:00 AM on April 27, 2023.

These Specifications have been prepared
under the direction of:

_____
Amir Farahani, P.E.
Civil No. 54235

VARIOUS ALLEYS IMPROVEMENTS
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IN THE CITY OF BELL GARDENS

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NOTICE INVITING SEALED BID

FOR

VARIOUS ALLEYS IMPROVEMENTS
FY 2021-2022
C.I.P. NO. 3917

IN THE CITY OF BELL GARDENS

PUBLIC NOTICE IS HEREBY GIVEN that the City of Bell Gardens as AGENCY, invites sealed bids for the above-stated project and will receive such bids in the offices of the City Clerk, City Hall, 7100 South Garfield Avenue, Bell Gardens, California 90201, up to the hour of 11:00 AM on April 27, 2023, at which time they will be publicly opened.

Copies of the Plans, Specifications, and contract documents are available on the City's website at https://www.bellgardens.org/i-want-to/view-bids-rfps/rfps-and-bids. To be on the Plan Holders List for this project, each bidder must submit a Bidder's Information Sheet which is also available on the City's website, to dbenash@infengr.com. Bids will not be accepted unless the bidder is on the Plan Holder List. All Bidder Information Sheets are required to be submitted no later than February 22, 2023. Bids will not be accepted unless the Bidder Information Sheet is submitted and logged onto the plan holders list. **Failure to submit the Bidder Information Sheet by the deadline noted will result in declaring any submitted bids as non-responsive.**

To comply with SB 854, beginning January 1, 2015 the following applies:

1. No contractor or subcontractor may be listed on a bid proposal for public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations (DIR) pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

2. No contractor or subcontractor may be awarded a contract for public works on a public works project awarded on or after April 1, 2015, unless registered with the DIR.

3. The project is subject to compliance monitoring and enforcement by the DIR.

4. Require the prime contractor to post job site notices prescribed by regulation (regulation not created yet) or the City must post the notices itself.

The Contractor shall fill in the Department of Industrial Relations (DIR) Contractor Registration Number Form provided in Appendix "B" and submit it with the sealed Bid.

Any contract entered into pursuant to this notice will incorporate the provisions of the State Labor Code. Pursuant to the provisions of Section 1773.2 of the Labor Code of the State of California, the minimum prevailing rate of per hourly wages for each craft, classification or type of workman needed to execute the contract shall be those determined by the Director of Industrial Relations of the State of California, which are on file at the City Hall, City of Bell Gardens, 7100 South Garfield Avenue, Bell Gardens, California 90201, and are available to any interested party on request.

Attention is directed to the provisions of Section 1777.5 (Chapter 1141, Statutes of 1968) and 1777.5 of the Labor Code concerning the employment of apprentices by the Contractor or any such subcontractor under him. Affirmative action to ensure against discrimination in employment practices on the basis of race, color, national origin, age, marital status, ancestry, sex, religion, or handicap will also be required.

The AGENCY will deduct 5 percent retention from all progress payments as specified in Section 9-3.2 of these specifications. The Contractor may substitute an escrow holder surety of equal value to the retention. The Contractor shall be beneficial owner of the surety and shall receive any interest thereon. Contractor shall provide AGENCY with weekly payroll reports.

The AGENCY hereby affirmatively ensures that minority business enterprises will be afforded full opportunity to submit bids in response to this notice and will not be discriminated against on the basis of race, color, national origin, age, marital status, ancestry, sex, religion, sexual orientation or handicap in any consideration leading to the award of contract.

In entering into a public works contract, or a subcontract, to supply goods, services, or material pursuant to a public works contract, the Contractor, or subcontractor, offers and agrees to assign to the awarding body all rights, title and interest in, and to, all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (Chapter 2 [commencing with Section 16700] of part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders final payment to the Contractor, without further acknowledgment by the parties.

Bids must be prepared on the approved Proposal forms or copies thereof in conformance with the Instructions to Bidders and submitted in a sealed envelope plainly marked on the outside as follows:

VARIOUS ALLEYS IMPROVEMENTS
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The bid must be accompanied by cash, a certified or cashier’s check, or bidder’s bond,

issued by an “admitted surety insurer” made payable to the AGENCY for an amount no less than 10 percent of the total base bid amount.

All bidders shall be licensed in accordance with the provisions of the Business and Professions Code and shall possess a State Contractor’s License, Class A, at the time of bid submittal. The successful Contractor and each of his subcontractors will be required to possess a Business License from the City.

The liquidated damages for this project is five hundred dollars ($500.00) per calendar day the project is not completed within the contract time.

The AGENCY reserves the right to reject any or all bids, to waive any irregularity and to take all bids under advertisement for a period of sixty (60) days.

The Contractor shall complete all work in every detail within **forty (40) working days** (for Base Bid) comprised of **five (5) working days** for mobilization and **thirty-five (35) working days** for construction, after the effective date in the Notice-to-Proceed with the Work to be issued by the CITY. If the Base Bid and Additive Bid are awarded, the city allows **seven (7) additional working days** for each Additive Bid.

BY ORDER OF the City of Bell Gardens, California.

Dated: April 10, 2023

INSTRUCTION TO BIDDERS

VARIOUS ALLEYS IMPROVEMENTS
FY 2021-2022
C.I.P. NO. 3917

IN THE CITY OF BELL GARDENS

PROPOSAL FORMS

Bids shall be submitted, in writing, on the Proposal forms provided by the AGENCY or copies thereof. All information requested thereon must be clearly and legibly set forth in the manner and form indicated. The AGENCY will not consider any proposal not meeting these requirements.

PROPOSAL GUARANTEE

Proposals must be accompanied by a proposal guarantee consisting of cash, a certified or cashier's check or bid bond by an "admitted surety insurer" payable to the AGENCY in the amount not less than 10 percent of the total amount bid. Any proposal not accompanied by such a guarantee will not be considered. If a bidder to whom a contract is awarded fails or refuses to execute the contract documents or furnish the required insurance policies and bonds as set for the in those documents, the proposal guarantee shall be forfeited to the AGENCY. The proposal guarantees of all bidders will be held until the successful bidder had properly executed all contract documents.

DELIVERY OF PROPOSAL

Proposals shall be enclosed in a sealed envelope plainly marked on the outside "BID FOR VARIOUS ALLEYS IMPROVEMENTS, FY 2021-2022, C.I.P. NO. 3917 – IN THE CITY OF BELL GARDENS – DO NOT OPEN WITH REGULAR MAIL". Proposals may be mailed or delivered by messenger. However, it is the bidder's responsibility alone to ensure delivery of the proposal to the hands of the AGENCY'S designated official prior to the bid opening hour stipulated in the Notice Inviting Sealed Bids. Late proposals will not be considered.

WITHDRAWAL OF PROPOSALS

A proposal may be withdrawn by a written request signed by the bidder. Such requests must be delivered to the AGENCY'S designated official prior to the bid opening hour stipulated in the Notice Inviting Sealed Bids. Proposals may not be withdrawn after said hour without forfeiture of the proposal guarantee. The withdrawal of the proposal will not prejudice the right of the bidder to submit a new proposal, providing there is time to do so.

IRREGULAR PROPOSALS

Unauthorized conditions, limitations or provisions attached to a proposal will render it irregular and may cause its rejection. The completed proposal forms shall be without interlineations, alterations, or erasures. Alternative proposals will not be considered unless specifically requested. No oral, telegraphic, facsimile, electronic, or telephonic proposal submittal, or modification, or withdrawal will be considered.

TAXES

No mention shall be made in the proposal of Sales Tax, Use Tax, or any other tax, as all amounts bid will be deemed and held to include any such taxes which may be applicable.

DISQUALIFICATIONS OF BIDDERS

In the event that any bidder acting as prime contractor has an interest in more than one proposal, all such proposals will be rejected, and the bidder will be disqualified. This restriction does not apply to subcontractors or suppliers who may submit quotations to more than one bidder, and while doing so, may also submit a formal proposal as a prime contractor. No proposals will be accepted from bidders who are not licensed in accordance with the provisions of the State Business and Professions Code; and who do not possess a State Contractor's License, Class A, at the time of bid submittal.

DISCREPANCIES AND MISUNDERSTANDINGS

Bidders must satisfy themselves by personal examination of the work site, Plans, Specifications, and other contract documents, and by any other means as they may believe necessary, as to the actual physical conditions, requirements and difficulties under which the work must be performed. No bidder shall at any time after submission of a proposal make any claim or assertion that there was any misunderstanding or lack of information regarding the nature or amount of work necessary for the satisfactory completion of the job. Any errors, omissions, or discrepancies found in the Plans, Specifications, or other contract documents shall be called to the attention of the AGENCY and clarified prior to the submission of proposals.

EQUIVALENT MATERIALS

Although the bidder may believe that by use of a different material than that specified on/in the plans and specifications a lower cost project/bid may result, the bidder is to bid the project on the basis of using the material(s) as named keeping in mind that all materials named herein by manufacturer is not to prohibit the bidder considering using in his bid what he considers to be an equal material except where the AGENCY has designated a sole product. Once the bids have been opened the successful Contractor may discuss with the AGENCY the use of another product; which may result in a determination by the AGENCY that the other product is equal and possibly that by the

AGENCY allowing the use of the Contractor proposed equal that a change in the contract amount may result.

LEGAL RESPONSIBILITIES

All proposals must be submitted, filed, made and executed in accordance with State laws relating to bids for contracts of this nature whether the same or expressly referred to herein or not. Any bidder submitting a proposal shall by such action thereby agree to each and all of the terms, conditions, provisions and requirements set forth, contemplated and referred to in the Plans, Specifications, and other contract documents, and to full compliance therewith.

Additionally, any bidder submitting a proposal shall, by such action thereby, agree to pay at least the minimum prevailing per hourly wages as provided in Section 1773, et seq. of the Labor Code for each craft, classification or type of workman required as set forth by the Director of Industrial Relations of the State of California in its wage sheets.

AWARD OF CONTRACT

The award of contract, if made, will be to the lowest responsible bidder as determined solely by the AGENCY. Additionally, the AGENCY reserves the right to reject any or all proposals, to waive any irregularity, and to take the bids under advisement for a period of 60 days, all as may be required to provide for the best interest of the AGENCY. In no event will an award be made until all necessary investigations are made to the responsibility and qualifications of the bidder to whom the award is contemplated. All bids will be compared with the City Engineer's Estimate.

LIQUIDATED DAMAGES

The Liquidated Damages for this project is five hundred dollars ($500.00) per calendar day.

CONSTRUCTION SCHEDULE

The winning bidder must sign and submit the contract to the City within ten (10) days of awarded contract the bonds, insurance certificates and all other documentation necessary prior to start of construction must be submitted to the City at the pre-construction meeting on May 1, 2023. Construction must begin on May 15, 2023.

PROPOSAL

FOR

VARIOUS ALLEYS IMPROVEMENTS
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IN THE CITY OF BELL GARDENS

TO THE CITY OF BELL GARDENS, as AGENCY

In accordance with AGENCY'S Notice Inviting Sealed Bid, the undersigned BIDDER hereby proposes to furnish all materials, equipment, tools, labor and incidentals required for the above-stated project as set forth in the Plans, Specifications, and contract documents therefor, and to perform all work in the manner and time prescribed therein.

BIDDER declares that this proposal is based upon careful examination of the work site, Plans, Specifications, Instruction to Bidders and all other contract documents. If this proposal is accepted for award, BIDDER agrees to enter into a contract with AGENCY at the unit and/or lump-sum prices set forth in the following Bid Schedule. BIDDER understands that failure to enter into a contract in the manner and time prescribed will result in forfeiture to AGENCY of the guarantee accompanying this proposal.

BIDDER understands that a bid is required for the entire work that the estimated quantities set forth in the Bid Schedule are solely for the purpose of comparing bids and that final compensation under the contract will be based upon the actual quantities of work satisfactorily completed. THE AGENCY RESERVES THE RIGHT TO INCREASE OR DECREASE THE AMOUNT OF ANY QUANTITY SHOWN AND TO DELETE ANY ITEM FROM THE CONTRACT. It is agreed that the unit and/or lump-sum prices bid include all appurtenant expenses, taxes, royalties, and fees. In the case of discrepancies in the amounts bid, unit prices shall govern over extended amounts, and words shall govern over figures.

If awarded the Contract, the undersigned further agrees that in the event of the BIDDER'S default in executing the required contract and filing the necessary bonds and insurance certificates by the dates stablished by the agency after the AGENCY'S notice of award of contract to the BIDDER, the proceeds of the security accompanying this bid shall become the property of the AGENCY and this bid and the acceptance hereof may, at the AGENCY'S option, be considered null and void.

BID SCHEDULE

FOR

VARIOUS ALLEYS IMPROVEMENTS
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The undersigned declares that he/she has carefully examined the location of the proposed work, that he/she has examined the specifications and read the accompanying instructions to bidders, and hereby proposes to do all the work in accordance with said specifications for the amounts set forth below:

Construct improvements as reiterated above, located in the City of BELL GARDENS, California, in accordance with the specifications for the unit price set forth in the following items:

BASE BID SCHEDULE ALLEY 1, ALLEY 2, ALLEY 3, ALLEY 4 AND ALLEY 5

Item No.	Description	Estimated Quantity	Unit	Unit Price $	Extended Amount $
1	Provide Traffic Control	1	LS		
2	Sawcut and Remove Existing Concrete Alley Intersection	1,690	SF		
3	Sawcut and Remove Existing Concrete Sidewalk	24	SF		
4	Sawcut and Remove Existing Concrete Longitudinal Gutter	1,833	SF		
5	Sawcut and Remove Existing AC Pavement, Base, Sub-base, and Native Soil to clear depth for New Improvement	715	CY		
6	Sawcut and Remove Existing PCC Pavement and Native Soil to clear depth for New Improvement	253	SF		
7	Construct Concrete Alley Intersection	1,690	SF		
8	Construct 4” Thick Concrete Sidewalk	24	SF		
9	Construct Concrete Longitudinal Gutter	1,833	SF		
10	Provide and Place 6"-Thick Crushed Miscellaneous Base (CMB)	509	CY		
11	Construct 2”-Thick AC Base Course Type B-PG 64-10	286	TON		
12	Construct 2”-Thick Asphalt Concrete Overlay Type C2-PG 64-10	286	TON		
13	Construct 8” Thick Concrete Pavement	253	SF		

Item No.	Description	Estimated Quantity	Unit	Unit Price $	Extended Amount $
14	Construct 2”x6” Redwood Header	740	LF		
15	Adjust Existing Water Meter Box and Cover to Finished Grade, Replace Broken Cover/Box	13	EA		
16	Adjust Existing Water Valve Cans and Covers to Finished Grade	5	EA		
17	Adjust Existing Storm Drain/Sewer/Utility Manhole Frame and Cover to Finished Grade	3	EA		
18	Furnish and Install Public Improvement Project Signs	4	EA		
19	Construction Survey, Staking, Re-establish Survey Monuments and Centerline Ties	1	LS		
20	Provide Material Testing Services as Directed by the Engineer – Allowance	1	LS	$3,500	$3,500
	TOTAL AMOUNT BASE BID IN FIGURES:				$

TOTAL AMOUNT IN WORDS BASE BID: _____

_____

_____ DOLLARS.

_____

_____ _____

Company Name Bidder’s Signature

IN CASE OF DISCREPANCY BETWEEN THE WORDS AND FIGURES, THE WORDS SHALL PREVAIL.

If the City determines to award a contract for this Base Bid, the City’s determination will be based on the best interest of the City.

The Contractor shall complete all work in every detail within forty (40) working days (for Base Bid) comprised of five (5) working days for mobilization and thirty-five (35) working days for construction, after the effective date in the Notice-to-Proceed with the Work to be issued by the CITY.

DESIGNATION OF SUBCONTRACTORS

BIDDER proposes to subcontract certain portions of the work that are in excess of one-half of 1 percent of the total amount bid or $10,000, whichever is greater, as follows:

Name:	
Address:	
Telephone No.:	
State License No.:	
Portion of Work:	
Name:	
Address:	
Telephone No.:	
State License No.:	
Portion of Work:	
Name:	
Address:	
Telephone No.:	
State License No.:	
Portion of Work:	
Name:	
Address:	
Telephone No.:	
State License No.:	
Portion of Work:	
Name:	
Address:	
Telephone No.:	
State License No.:	
Portion of Work:	
Name:	
Address:	
Telephone No.:	
State License No.:	
Portion of Work:	

Prior to award of contract, Contractor shall submit a list of suppliers and vendors, in writing, to the City Engineer.

REFERENCES

The following are the names, addresses, and telephone numbers for three public agencies, being cities, or counties for which BIDDER had performed similar STREET IMPROVEMENT WORK IN THE PUBLIC RIGHT OF WAY within the past 2 years. **Special districts, ie, school, water or taxing districts are not acceptable references**:

1. _____
   Name and Address of Owner

   _____
   Name and telephone number of person familiar with project

   _____
   Contract amount Type of work Date completed

2. _____
   Name and Address of Owner

   _____
   Name and telephone number of person familiar with project

   _____
   Contract amount Type of work Date completed

3. _____
   Name and Address of Owner

   _____
   Name and telephone number of person familiar with project

   _____
   Contract amount Type of work Date completed

The following are the names, addresses, and telephone numbers of all brokers and sureties from whom BIDDER intends to procure insurance and bonds:

_____

_____

_____

_____

EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE

BIDDER certifies that in all previous contracts or subcontracts, all reports which may have been due under the requirements of any AGENCY, State or Federal equal employment opportunity orders have been satisfactorily filed, and that no such reports are currently outstanding.

AFFIRMATIVE ACTION CERTIFICATION

BIDDER certifies that affirmative action has been taken to seek out and consider minority business enterprises for those portions of the work to be subcontracted, and that such affirmative actions have been fully documented, that said documentation is open to inspection, and that said affirmative action will remain in effect for the life of any contract awarded hereunder. Furthermore, BIDDER certifies that affirmative action will be taken to meet all equal employment opportunity requirements of the contract documents.

NONCOLLUSION AFFIDAVIT

BIDDER declares that the only persons or parties interested in this proposal as principals are those named herein; that no officer, agent, or employee of the AGENCY is personally interested, directly or indirectly, in this proposal; that this proposal is made without connection to any other individual, firm, or corporation making a bid for the same work and that this proposal is in all respects fair and without collusion or fraud.

BIDDER'S INFORMATION

BIDDER certifies that the following information is true and correct:

Bidder's Name _____

Business Address _____

Telephone _____

State Contractor's License No. and Class_____

Original Date Issued_____ Expiration Date_____

The following are the names, titles, addresses, and telephone numbers of all individuals, firm members, partners, joint ventures, and/or corporate officers having a principal interest in this proposal (use additional 8 ½" x 11" sheets if needed):

_____

_____

_____

The date of any voluntary or involuntary bankruptcy judgments against any principal having an interest in this proposal, or any firm, corporation, partnership or joint venturer of which any principal having an interest in this proposal was an owner, corporate officer, partner or joint venturer are as follows:

_____

_____

_____

All current and prior DBA's, alias, and/or fictitious business names for any principal having an interest in this proposal are as follows:

_____

_____

_____

IN WITNESS WHEREOF, BIDDER executes and submits this proposal with the names, title, hands, and seal of all forenamed principals this _____ day of _____, 20_____.

BIDDER _____

_____

_____

_____

_____

The undersigned declares under penalty of perjury under the laws of the State of California that the representations made hereto are true and correct.

_____
Signature of Contractor's Representative

_____
Printed Name

_____
Title

Subscribed and sworn to this _____ day of _____, 20_____.

NOTARY PUBLIC_____

PROPOSAL GUARANTEE

BID BOND

FOR

VARIOUS ALLEYS IMPROVEMENTS
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IN THE CITY OF BELL GARDENS

KNOW ALL PERSONS BY THESE PRESENTS that _____, as BIDDER, and _____, a corporation organized and existing under the laws of the State of _____, and duly authorized to transact business under the laws of the State of California, as SURETY, are held and firmly bound unto the City of Bell Gardens, as AGENCY, in the penal sum of _____ _____ Dollars ($_____), which is ten (10) percent of the total amount bid by BIDDER to AGENCY for the above-stated project, for the payment of which sum, BIDDER and SURETY agree to be bound, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that, whereas BIDDER is about to submit a bid to AGENCY for the above-stated project, if said bid is rejected, or if said bid is accepted and a contract is awarded and entered into by BIDDER in the manner and time specified, then this obligation shall be null and voided, otherwise it shall remain in full force and effect in favor of the AGENCY.

IN WITNESS WHEREOF the parties hereto have set their names, titles, hands, and seals this _____ day of _____, 20__.

BIDDER* _____

_____

SURETY* _____

_____

Subscribed and sworn to this _____ day of _____, 20_____.

NOTARY PUBLIC_____

* Provide BIDDER/ADMITTED SURETY name, address, title and telephone number and the name, title, address, and telephone number of authorized representative.

BIDDER'S VIOLATION OF LAW/SAFETY QUESTIONNAIRE

In accordance with Government Code Section 14310.5, the BIDDER shall complete, under penalty of perjury, the following questionnaire.

QUESTIONNAIRE

Has the Bidder, any officer of the bidder or any employee of the Bidder who has a proprietary interest in the Bidder ever been disqualified, removed or otherwise prevented from bidding on or completing a Federal, State or local government project because of a violation of law or a safety regulation?

Yes_____ No_____

If the answer is yes, explain the circumstances in the space provided.

Note: This questionnaire constitutes a part of the Proposal, and a signature portion of the Proposal shall constitute signature of this questionnaire.

CITY OF BELL GARDENS

CONSTRUCTION CONTRACT AGREEMENT

FOR

VARIOUS ALLEYS IMPROVEMENTS
FY 2021-2022
C.I.P. NO. 3917

IN THE CITY OF BELL GARDENS

THIS CONSTRUCTION CONTRACT (hereinafter, "Contract") is made and entered into this _____ day of _____ 2023 (hereinafter, the "Effective Date") by and between the CITY OF BELL GARDENS, a municipal corporation (hereinafter, "CITY") and [INSERT CONTRACTOR NAME] (hereinafter, "CONTRACTOR"). For the purposes of this Agreement, CITY and CONTRACTOR may be referred to collectively by the capitalized term "Parties." The capitalized term "Party" may refer to CITY or CONTRACTOR interchangeably as appropriate.

RECITALS

WHEREAS, City requires public works construction services for the _____ _____(hereinafter, the "Project"); and

WHEREAS, CITY issued notice inviting competitive bids for the Project on _____ _____; and

WHEREAS, following the opening of bids on _____, CONTRACTOR was determined to be the lowest responsive and responsible bidder for the Project.

NOW, THEREFORE, for and in consideration of the mutual covenants and conditions herein contained, City and CONTRACTOR agree as follows:

ARTICLE I (CONTRACT DOCUMENTS)

The contract documents for the aforesaid project shall consist of the Notice Inviting Sealed Bids, Instructions to Bidders, Proposal, General Specifications, Standard Specifications, Special Provisions, Plans, and all referenced specifications, details, standard drawings, and appendices; together with this Contract Agreement and all required bonds, insurance certificates, permits, notices, and affidavits; and also including any and all addenda or supplemental agreements (hereinafter "Contract Documents") clarifying, or extending the work contemplated as may be required to

ensure its completion in an acceptable manner. All of the provisions of said contract documents are made a part hereof as though fully set forth herein.

ARTICLE II (WORK TO BE PERFORMED)

The CONTRACTOR agrees to furnish all tools, equipment, apparatus, facilities, labor, transportation, and material necessary to perform and complete in a good and workmanlike manner INSERT PROJECT NAME, as called for, and in the manner designated in, and in strict conformity with, the Contract Documents. It is understood and agreed that the tools, equipment, apparatus, facilities, labor, transportation, and material shall be furnished and the work performed and completed as required in the Drawings and Specifications under the sole direction and control of the CONTRACTOR, and subject to inspection and approval of the CITY, or its representatives.

ARTICLE III (CONTRACT PRICE)

CITY agrees to pay and the CONTRACTOR agrees to accept, in full payment for the work above agreed to be done, the sum of _____($____) for the Project (hereinafter, the "Bid Price"). CONTRACTOR agrees to receive and accept the prices set forth in the Proposal as full compensation for furnishing all materials, performing all work, and fulfilling all obligations hereunder. Said compensation shall cover all expenses, losses, damages, and consequences arising out of the nature of the work during its progress or prior to its acceptance, including those for well and faithfully completing the work and the whole thereof in the manner and time specified in the aforesaid contract documents; and also including those arising from actions of the elements, unforeseen difficulties or obstructions encountered in the prosecution of the work, suspension or discontinuance of the work, and all other unknowns or risks of any description connected with the work.

ARTICLE IV (NOTICE AND SERVICE THEREOF)

Any notice from one party to the other under the Contract shall be in writing and shall be dated and signed by the party giving such notice or by a duly authorized representative of such party. Any such notice shall not be effective for any purpose whatsoever unless served in the following manner, namely:

(a) If the notice is given to the CITY, by personal delivery thereof, or by depositing the same in the United States mail, enclosed in a sealed envelope, postage prepaid, and certified; addressed to the CITY at:

City of Bell Gardens
Public Works Department
Attn: Public Works Director
Bell Gardens City Hall
7100 Garfield Avenue
Bell Gardens, CA 90201

(b) If the notice is given to the CONTRACTOR, by personal delivery thereof to said CONTRACTOR or to its duly authorized representative at the site of the project, or by depositing the same in the United States mail, enclosed in a sealed envelope, postage prepaid, and certified; addressed to the CONTRACTOR at:

NAME
ADDRESS
Attn:
Phone: ( )

(c) If the notice is given to the surety or any other person, by personal delivery to such surety or other person, or by depositing the same in the United States mail, enclosed in a sealed envelope, addressed to such surety or other person, as the case may be, at the address of such surety or person last communicated by it to the party giving the notice, postage prepaid and certified.

ARTICLE V (INSURANCE)

CONTRACTOR acknowledges the provisions of the State Labor Code requiring every employer to be insured against liability for worker's compensations, or to undertake self-insurance in accordance with the provisions of that code and certified compliance with such provisions.

CONTRACTOR agrees to indemnify, defend and hold harmless CITY and all if its officers and agents from any claims, demand or causes of action, including related expenses, attorney's fees, and costs, based on, arising out of, or in any way related to the work undertaken by CONTRACTOR hereunder. The liability insurance coverage values shall be:

Insurance Coverage Requirements	Limit Requirements
Comprehensive General Liability	$2,000,000
Product/Completed Operations Hazard	$2,000,000
Comprehensive Automobile Liability	$2,000,000
Contractual General Liability	$2,000,000
Worker's Compensation	Statute

A combined single-limit policy with aggregated limits in the amount of $4,000,000 will be considered equivalent to the required minimum limits.

The issuer shall be an "admitted surety insurer" duly authorized to transact business under the laws of the State of California.

Acceptable insurance coverage shall be placed with the carriers admitted to write insurance in California or carriers with a rating of or equivalent to A:VIII by A.M. Best & Co. Any deviation from this rule shall require specific approval, in writing, from the CITY.

Insurance shall name the City of Bell Gardens, its officers, agents, and employees, including INFRASTRUCTURE ENGINEERS, as additional insured by endorsement of the CONTRACTOR's policy. A copy of the endorsement, showing policy limits, shall be provided to the CITY on or before signing this contract.

ARTICLE VI (EXECUTION)

CONTRACTOR affirms that the signatures, titles and seals set forth hereinafter in execution of this Contract Agreement represent all individuals, firm members, partners, joint ventures, and/or corporate officers having principal interest herein.

ARTICLE VII (COMPLETION DATE)

The Contractor shall complete all work in every detail within **forty (40) working days** (for Base Bid) comprised of **five (5) working days** for mobilization and **thirty-five (35) working days** for construction, after the effective date in the Notice-to-Proceed with the Work to be issued by the CITY

The liquidated damage for this project is five hundred dollars ($500.00) per calendar day for each calendar day the project is not completed to the satisfaction of the CITY within the contract time including any extension of time granted by the CITY.

ARTICLE VIII (RECORDS & AUDITS)

The CONTRACTOR shall maintain accounts and records, including personnel, property, and financial records, adequate to identify and account for all costs pertaining to the contract and such other records as may be deemed necessary by the CITY to assure proper accounting for all project funds. These records will be made available for audit purposes to the CITY or any authorized representative and will be retained for 5 years after the expiration of this contract unless permission to destroy them is granted by the CITY.

ARTICLE IX (PREVAILING WAGES)

(a) CONTRACTOR agrees to comply with the provisions of California Labor Code Section 1773.8, which requires the payment of travel and subsistence payments to each worker needed to execute the work to the extent required by law.

(b) By the execution of this Contract, CONTRACTOR hereby certifies that it is registered with the California Department of Industrial Relations as required pursuant to Labor Code section 1725.5 (contractor registration).

(c) CONTRACTOR agrees to comply with the provisions of California Labor Code Section 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. The CONTRACTOR shall, as a penalty to the CITY, forfeit no more than fifty dollars ($50) for each calendar day, or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of Industrial Relations for the work or craft in which the worker is employed for any public work done under the contract by CONTRACTOR or by a subcontractor.

(d) CONTRACTOR agrees to comply with the provisions of California Labor Code Section 1776 which requires CONTRACTOR and each subcontractor to (i) keep accurate payroll records, (ii) certify and make such payroll records available for inspection as provided by Section 1776, and (iii) inform the Agency of the location of the records. The CONTRACTOR is responsible for compliance with Section 1776 by itself and all of its subcontractors.

(e) CONTRACTOR agrees to comply with the provisions of California Labor Code Section 1777.5 concerning the employment of apprentices on public works projects, and further agrees that the CONTRACTOR is responsible for compliance with Section 1777.5 by itself and all of its subcontractors.

(f) CONTRACTOR agrees to comply with the provisions of California Labor Code Section 1813 concerning penalties for workers who work excess hours without approval of the CITY. The CONTRACTOR shall, as a penalty to the Agency, forfeit twenty-five dollar ($25) for each worker employed in the execution of the contract by the CONTRACTOR or by any subcontractor for each calendar day or portion thereof during which such worker is required or permitted to work more than 8 hours in any one calendar day and 40 hours in any one calendar week in violation of the provisions of Division, 2, Part 7, Chapter 1, Article 3 of the California Labor Code. The CONTRACTOR may, with the approval of the City Engineer, use his employees to carry out work on the project beyond the normal eight (8) hour workday and on Saturdays, Sundays and Holidays provided the employees are paid at the following hourly rates:

- Week days (Monday through Fridays) after eight (8) hours daily and not to exceed twelve (12) hours daily total per day and not exceeding forty-eight (48) hours work in a seven (7) day period week at one and one-half (1.5) times the prevailing hourly wage for the initial eight (8) hours of regular work time for the time worked after the initial eight (8) hours regular time.

- Saturdays, Sundays and Holidays for time worked after forty (40) hours of regular work time in a seven (7) day period week at the rate of two (2.0) times the prevailing hourly wage for the initial eight (8) hours of regular weekday work time and not to exceed a total of forty-eight (48) hours of work within the seven (7) day work week period.

(g) California Labor Code Sections 1860 and 3700 provide that every contractor will be required to secure the payment of compensation to its employees. In accordance with the provisions of California Labor Code Section 1861, Contractor hereby certifies as follows:

"I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to under self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work of this contract."

ARTICLE X (PROMPT PAYMENT)

Prompt Progress Payment to Subcontractors
Attention is directed to Section 7108.5 of the California Business and Professions Code, which requires a prime contractor or subcontractor to pay any subcontractor not later than 10 days of receipt by the Contractor of each progress payment, unless otherwise agreed to in writing.

(SIGNATURES ON NEXT PAGE)

IN WITNESS THEREOF the parties hereto for themselves, their heirs, executors, administrators, successors, and assigns do hereby agree to the full performance of the covenants herein contained and have caused this contract agreement to be executed in

triplicate by setting hereunto their names, titles, hands, and seals this _____ day of _____, 20____.

Contractor: _____

_____
(Signature)

Name and Title (Printed) _____

Contractor's License No. _____ License Class_____

AGENCY Business License No. _____

Federal Tax Identification No. _____

Subscribed and sworn to this _____ day of _____, 20_____.

NOTARY PUBLIC_____

AGENCY: _____
Mayor of the City of Bell Gardens

Attested: _____
City Clerk of the City of Bell Gardens

Date _____

Approved as to form: _____
City Attorney of the City of Bell Gardens

Date _____

FAITHFUL PERFORMANCE BOND

FOR

VARIOUS ALLEYS IMPROVEMENTS
FY 2021-2022
C.I.P. NO. 3917

IN THE CITY OF BELL GARDENS

KNOW ALL PERSONS BY THESE PRESENTS that _____, as CONTRACTOR and _____, a corporation organized and existing under the laws of the State of _____, and duly authorized to transact business under the laws of the State of California, as SURETY, are held and firmly bound unto the City of Bell Gardens, as AGENCY, in the penal sum of _____ _____Dollars ($_____), which is 100 percent of the total contract amount for the above-stated project, for the payment of which sum, CONTRACTOR and SURETY agree to be bound, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that, whereas CONTRACTOR has been awarded and is about to enter into the annexed Contract Agreement with AGENCY for the above-stated project, if CONTRACTOR faithfully performs and fulfills all obligations under the contract documents in the manner and time specified therein, then this obligation shall be null and void, otherwise it shall remain in full force and effect in favor of AGENCY; provided that any alterations in the obligations or time for completion made pursuant to the terms of the contract documents shall not in any way release either CONTRACTOR or SURETY, and notice of such alterations is hereby waived by SURETY.

IN WITNESS WHEREOF the parties hereto have set their names, titles, hands, and seals this _____ day of _____, 20____.

CONTRACTOR* _____

_____

SURETY* _____

_____

Subscribed and sworn to this ____ day of _____, 20_____.

NOTARY PUBLIC _____

* Provide CONTRACTOR/ADMITTED SURETY name, address, and telephone number and the name, title, address, and telephone number of authorized representative.

MATERIAL AND LABOR BOND

FOR

VARIOUS ALLEYS IMPROVEMENTS
FY 2021-2022
C.I.P. NO. 3917

IN THE CITY OF BELL GARDENS

KNOW ALL PERSONS BY THESE PRESENTS that _____, as CONTRACTOR, and _____, a corporation organized and existing under the laws of the State of _____, and duly authorized to transact business under the laws of the State of California, as SURETY, are held firmly bound unto the City of Bell Gardens, as AGENCY , in the penal sum of _____ _____ Dollars ($_____), which is 100 percent of the total contract amount for the above-stated project, for payment of which sum, CONTRACTOR and SURETY agree to be bound, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that, whereas CONTRACTOR has been awarded and is about to enter into the annexed Contract Agreement with AGENCY for the above-stated project, if CONTRACTOR or any subcontractor fails to pay for any labor or material of any kind used in the performance of the work to be done under said contract, or fails to submit amounts due under the State Unemployment Insurance Act with respect to said labor, SURETY will pay for the same in an amount not exceeding the sum set forth above, which amount shall inure to the benefit of all persons entitled to file claims under the State Code of Civil Procedures; provided that any alterations in the work to be done, materials to be furnished, or time for completion made pursuant to the terms of the contract documents shall not in any way release either CONTRACTOR or SURETY, and notice of said altercations is hereby waived by SURETY.

IN WITNESS WHEREOF the parties have set their names, titles, hands, and seals this ____ day of _____, 20___.

CONTRACTOR* _____

_____

SURETY* _____

_____

Subscribed and sworn to this _____ day of _____, 20_____.

NOTARY PUBLIC _____

* Provide CONTRACT/ADMITTED SURETY name, address, and telephone number and the name, title, address, and telephone number for authorized representative.

NONCOLLUSION AFFIDAVIT TO BE EXECUTED
BY EACH AWARDEE OF A PRINCIPAL CONTRACT

STATE OF CALIFORNIA)
)ss
COUNTY OF)

_____
being first duly sworn, deposes and says that he is

_____
(sole owner, a partner, president, etc.)

of _____, the party making the foregoing bid, that such bid is not made in the interest of or behalf of any undisclosed person, partnership, company, association, organization or corporation, that such bid is genuine and not collusive or sham, that said bidder has not directly or indirectly induced or solicited any other bidder to submit a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to submit a sham bid, or that anyone shall refrain from bidding, that said bidder has not in any manner, directly or indirectly, sought by agreements, communication or conference with anyone to fix the bid price of said bidder or of any other bidder, or to fix the overhead, profit or cost element of such bid price, or of that of any bidder, or to secure any advantage against the public body awarding the Contractor or anyone interested in the proposed contract; that all statements contained in such bid are true and, further, that said bidder has not, directly or indirectly, submitted his bid price, or any breakdown thereof, of the contents thereof, or divulged information or data relative thereto, or paid and will not pay any fee in connection there with to any corporation, partnership, company, association, organization, bid depository or to any member or agency thereof, or to any other individual, except to such person or persons as have a partnership or other financial interest with said bidder in his general business.

Signed _____

Title _____

Subscribed and sworn to before me this _____ day of _____, 20__.

Notary Public

VARIOUS ALLEYS IMPROVEMENTS
FY 2021-2022
C.I.P. NO. 3917

IN THE CITY OF BELL GARDENS

GENERAL SPECIFICATIONS

SCOPE OF WORK

The work to be done consists of furnishing all materials, equipment, tools, labor, and incidentals as required by the Plans, Specifications, and Contract documents. The general items of work include removal of existing AC Pavement, native soil, alley intersection, and longitudinal gutter; reconstruction of AC Pavement, alley intersection, and longitudinal gutter; construction of redwood header, placing CMB; adjust existing utilities manhole and cover to finish grade; adjust existing water meter, water valve and covers to finish grade; protect items in place, and all items not mentioned but indicated in the Plans and Specifications.

LOCATION OF WORK

The general location and limit of the work is as follows:

- Alley 1: Alley between Florence Avenue and Like Oak Street from End to Emil Avenue
- Alley 2: Alley between Florence Avenue and Live Oak Street from Emil Avenue to End
- Alley 3: Alley between Garfield Avenue and Gephart Avenue from Muller Street to Quinn Street
- Alley 4: Alley between Garfield Avenue and Gephart Avenue from Quinn Street to End
- Alley 5: Alley between Eastern Avenue and Gephart Avenue from Quinn Street to Jaboneria Road

TIME FOR COMPLETION

The Contractor shall complete all work in every detail within **forty (40) working days** (for Base Bid) comprised of **five (5) working days** for mobilization and **thirty-five (35) working days** for construction, after the effective date in the Notice-to-Proceed with the Work to be issued by the CITY. If the Base Bid and Additive Bid are awarded, the city allows **seven (7) additional working days** for each Additive Bid.

NOTIFICATION

The following list of names and telephone numbers is intended for the convenience of the Contractor and is not guaranteed to be complete or correct:

AT&T INQUIRIES		
Attention:	Mr. Jospeh Forkert	(510) 645-2929
CALIFORNIA WATER SERVICE		
Attention:	Mr. Philip Delgado	(323) 263-4145
CHEVRON		
Attention:	Ms. Dave Zerler	(310) 669-4014
CITY OF BELL GARDENS – WATER & SEWER		
Attention:	Public Works Inspector	(562) 806-7775
CITY OF BELL GARDENS		
Attention:	Mr. Douglas Benash	(562) 806-7770
CITY OF CUDAHY		
Attention:	Mr. Aaron Hernandez	(323) 773-5143
CITY OF DOWNEY		
Attention:	Mr. Dany Salas	(562) 904-7202
CITY OF SOUTH GATE		
Attention:	Public Works Engineering	(323) 357-9657
CRIMSON PIPELINE		
Attention:	Utility Coordinator	(562) 285-4100
CROWN CASTLE – LA & VEN		
Attention:	Fiber Dig	(888) 632-0931
FRONTIER		
Attention:	Ms. Cathy Brown	(310) 264-5100
GOLDEN STATE WATER COMPANY		
Attention:	Mr. Ray Burk	(562) 907-9200
L.A. COUNTY SANITATION DISTRICT		
Attention:	Engineering Counter	(562) 908-4288
LIBERTY UTILITIES		
Attention:	Jim Elliot	(562) 299-5127
MAYWOOD MUTUAL WATER CO.		

Attention:	Mr. Steven Rojo	(323) 581-5816
METROPOLITAN WATER DISTRICT – SOTO ST		
Attention:	Substructures Team	(213) 217-7663
MUTUAL WATER COMPANY		
Attention:	Mr. Jesus Barrera	(323) 771-6682
PLAINS ALL AMERICAN PIPELINE		
Attention:	Ms. Paula Bawden	(562) 728-2371
SOUTHERN CALIFORNIA GAS COMPANY – DOWNEY		
Attention:	Mr. Steve Gomez	(714) 456-2419
SOUTHERN CALIFORNIA GAS COMPANY – TRANSMISSION		
Attention:	SoCalGas Transmission	(818) 701-4546
SOUTHERN CALIFORNIA EDISON – DISTRIBUTION		
Attention:	Design Support/UND	(562) 903-3167
SOUTHERN CALIFORNIA EDISON – TELECOMMUNICATIONS		
Attention:	Design Support/UND	(562) 903-3167
SOUTHERN CALIFORNIA EDISON – TRANSMISSION		
Attention:	Design Support/UND	(562) 903-3167
SPECTRUM - IRWINDALE		
Attention:	Engineering	(866) 874-2389
UNDERGROUND SERVICE ALERT		811

EMERGENCY INFORMATION

The names, addresses, and telephone numbers of the Contractor and sub-contractors, or their representatives, shall be filed with the City Engineer, the County Fire Department (local station) and the City Police Department prior to beginning work.

STANDARD SPECIFICATIONS

The Standard Specifications and Plans of the AGENCY are contained in the 2018 Caltrans Standard Plans and Specifications and Latest Edition of the Standard Specifications for Public Works Construction and Standard Plans for Public Works Construction, including all supplements, as written, and promulgated by the Public Works Standards, Inc., and all amendments thereto. Copies of these Standard Specifications and Plans are available from the publisher, Building News, Incorporated, 1612 South Clementine Street, Anaheim, California 92802, telephone (714) 517-0970.

The Standard Specifications and Plans set forth above will control the general provisions, construction materials, and construction methods for this contract, except as amended by these Plans, Special Provisions, or other contract documents. The following Special Provisions are supplementary and in addition to the provisions of the Standard Specifications unless otherwise noted and the section numbers of the Special Provisions coincide with those of the said Standard Specifications and Plans. Only those sections requiring elaborations, amendments, specifying of options or additions are called out.

ENVIRONMENTAL PROVISIONS

The Contractor shall as appropriate, comply with all provisions of Public Contracts Code Section 7104 (SB1470). The requirements of this code are summarized as follows:
In the event Contractor is required to dig any trench or excavation that extends deeper than 4 feet below the surface in order to perform the work authorized under this contract, Contractor agrees to promptly notify AGENCY in writing and before further disturbing the site if any of the conditions set forth below are discovered.

1. Materials that the Contractor believed may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with the provisions of existing law.

2. Subsurface or latent physical conditions at the site differing from those indicated.

3. Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally reorganized as inherent in the work of the character provided for in this Contract.

a. AGENCY agrees to promptly investigate the conditions, and if AGENCY finds that the conditions do materially differ, or do involve hazardous waste, and cause a decrease or increase in Contractor's cost of, or the time required for, performance of any part of the work, shall issue a change order under the procedures described in this Contract.

b. That, in the event a dispute arises between AGENCY and Contractor as to whether the conditions materially increase in Contractor's cost of, or time required for, performance of any part of the work, Contractor shall not be excused from any scheduled completion date provided for in this Contact, but shall proceed with all work to be performed under the Contract. Contractor shall retain any and all right provided either by this Contract or by law, which pertain to the resolution of disputes and protests between contracting parties.

SPECIAL PROVISIONS

FOR

VARIOUS ALLEYS IMPROVEMENTS
FY 2021/2022
C.I.P. NO. 3917

IN THE CITY OF BELL GARDENS

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SPECIAL PROVISIONS

PART 1 – GENERAL SECTION

FOR

VARIOUS ALLEYS IMPROVEMENTS
FY 2021/2022
C.I.P. NO. 3917

IN THE CITY OF BELL GARDENS

The work for the completion of the Project shall be performed in accordance with the Standard Specifications for Public Works Construction (SSPWC), latest Edition, including all the supplements.

For purposes of this Project, the following General Provisions are amended, as follows:

SECTION 1 – GENERAL

The following additions/modifications are hereby made to Subsection 1-2 of the Standard Specifications:

1-2 TERMS AND DEFINITIONS.

AGENCY:	City of BELL GARDENS
Board:	City Council of the City of BELL GARDENS
Caltrans:	State of California, Department of Transportation
County:	County of Los Angeles
Engineer:	The City Engineer of the City of BELL GARDENS or his authorized representative
Federal:	United States of America
Contractor:	The word Contractor means the Contractor as defined herein or his/her authorized representative.

Working Day: The Contractor's activities shall be confined to the hours between 7:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays. Deviation from these hours will not be permitted without the prior consent of the Engineer, except in emergencies involving immediate hazard to persons or property. In the event of either a requested or emergency deviation, inspection service fees will be charged against the Contractor. The service fees will be calculated at overtime rates including benefits, overhead, and travel time. The service fees will be deducted from any amounts due the

Contractor. Should the Contractor choose nighttime work, any and all lighting and traffic control, as needed, shall be provided by the Contractor.

1-7 AWARD AND EXECUTION OF CONTRACT.

Subsection 1-7 of the Standard Specifications is hereby replaced with the following:

Within ten working days after the date of the AGENCY's notice of award, the Contractor shall execute and return the following contract documents to the AGENCY:

- Contract Agreement
- Faithful Performance Bond
- Material and Labor Bond
- Public Liability and Property Damage Insurance Certificate
- Worker's Compensation Insurance Certificate
- Project Schedule

Failure to comply with these requirements will constitute non-responsiveness on the part of the Contractor and will result in annulment of the award by the Agency and forfeiture of the Proposal Guarantee by the Contractor.

The Contract Agreement shall not be considered binding upon the AGENCY until executed by the authorized AGENCY official.

A corporation to which an award is made may be required, before the Contract Agreement is executed by the AGENCY, to furnish evidence of its corporate existence, of its right to enter into contracts in the State of California, and of the authority of its officers to sign contracts and bonds for the corporation.

1-7.2 Contract Bonds.

The second sentence of the fourth paragraph of Subsection 1-7.2 of the Standard Specifications is hereby deleted and replaced with the following: The Faithful Performance Bond (Warranty Bond) shall remain in force until one (1) year of recordation of the Notice of Completion. The Material and Labor Bond shall remain in force until thirty-five days after the date of recordation of the Notice of Completion.

The second and third sentences of the third paragraph of Subsection 1.7-2 of the Standard Specifications are hereby deleted and replaced with the following: The "Payment Bond" (Material and Labor Bond) shall be for not less than 50 percent of the contract price, to satisfy claims of material suppliers and of mechanics and laborers employed by it on the work. The Payment Bond shall remain in effect until thirty-five days after the date of recordation of the Notice of Completion.

SECTION 2 – SCOPE OF THE WORK

2-2 PERMITS.

The text of Subsection 2-2 of the Standard Specifications is hereby deleted and replaced with the following:

Prior to the start of any work, the Contractor shall take out the applicable AGENCY permits and make arrangements for AGENCY inspections. The AGENCY will issue the permits at no charge to the Contractor. The Contractor and all subcontractors shall each obtain an AGENCY business license, and shall be licensed in accordance with the State Business and Professions Code. The Contractor shall also obtain any and all other permits, licenses, inspections, certificates, or authorizations required by any governing body or entity.

The Contractor shall pay all costs incurred by the permit requirements.

SECTION 3 – CONTROL OF THE WORK

3-2 SELF-PERFORMANCE.

The whole paragraph of Section 3-2 of the Standard Specifications is hereby deleted and replaced with the following:

The Contractor shall perform or provide, with its own organization, contract labor, materials, and equipment amounting to at least 50 percent of the Contract Price. The contract labor performed or provided by the Contractor shall amount to at least 25 percent of the total contract labor for the Contract. Contract labor shall exclude the Contractor's superintendent. Any designated "Specialty Items" may be performed by subcontract and the amount of any such "Specialty Items" so performed may be deducted from the Contract Price before computing the amount of contract labor, materials, and equipment required to be performed or provided by the Contractor with its own organization. Where an entire item is subcontracted, the value of contract labor, materials, and equipment subcontracted will be based on the estimated percentage of the Contract Unit or Lump Sum Price, determined from information submitted by the Contractor, subject to approval by the Engineer.

The Contractor with the bid package shall submit a list of all subcontractors intended to perform work on the project. This list shall include the name and location of the place of business of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement, or a subcontractor licensed by the State of California who, under subcontract to the prime contractor, specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent of the prime contractors total bid. The prime contractor shall provide a description by bid item number or otherwise fully designate the portion of work to be performed by each subcontractor.

3-7 CONTRACT DOCUMENTS.

3-7.1 General.

The following is added to the General Specifications:

The Contractor shall maintain a control set of Plans and Specifications on the project site at all times. All final locations determined in the field, and any deviations from the Plans and Specifications, shall be marked in red on this control set to show the as-built conditions. Upon completion of all work, the Contractor shall return the control set to the Engineer. Final payment will not be made until this requirement is met.

3-10 SURVEYING.

3-10.1 General.

This subsection of the Standard Specifications is hereby deleted and replaced with the following:

The Contractor will furnish a Surveyor as needed for layout of the work and the resetting of monuments and shall be paid under the pertinent Bid item and no additional compensation shall be allowed thereafter.

SECTION 4 - CONTROL OF MATERIALS

4-1 GENERAL.

The following is hereby added to this subsection of the Standard Specification:

The Contractor and all subcontractors, suppliers, and vendors shall guarantee that the entire work will meet all requirements of this contract as to the quality of materials, equipment, and workmanship. The Contractor, at no cost to the AGENCY, shall make any repairs or replacements made necessary by defects in materials, equipment, or workmanship that become evident within one (1) years after the date of recordation of the Notice of Completion. Within this one-year period, the Contractor shall also restore to full compliance with requirements of this contract any portion of the work which is found to not meet those requirements. The Contractor shall hold the AGENCY harmless from claims of any kind arising from damages due to said defects or noncompliance. The Contractor shall make all repairs, replacements, and restorations within thirty (30) days after the date of the City Engineer's written notice.

4-6 TRADE NAMES.

The first and second paragraphs of this subsection of the Standard Specifications are hereby replaced with the following:

Although the bidder may believe that by use of a different material than that specified on/in the plans and specifications, a lower cost project/bid may result, the bidder is to bid the project on the basis of using the material(s) as named keeping in mind that all materials named herein by manufacturer is not to prohibit the bidder considering using in his bid what he consider to be an equal material except where the AGENCY has designated a sole product. Once the bids have been opened the successful Contractor

may discuss with the AGENCY the use of another product; which may result in a determination by the AGENCY that the other product is equal and possibly that by the AGENCY allowing the use of the Contractor proposed equal that a change in the contract amount may result.

SECTION 5 – LEGAL RELATIONS AND RESPONSIBILITIES

5-3 LABOR.

5-3.1 General.

The following is hereby added to this subsection of the Standard Specifications:

The Contractor, and all subcontractors, suppliers, and vendors, shall comply with all AGENCY, State and Federal orders regarding affirmative action to ensure equal employment opportunities and fair employment practices. Failure to file any report due under said orders will result in suspension of periodic progress payments. The Contractor shall ensure unlimited access to the job site for all equal employment opportunity compliance officers. In accordance with the labor Code, as provided in Section 1773 et seq., the City has on file in the City Clerk's office the latest prevailing rates as established by the Director of Industrial Relations of the State of California. The Contractor shall not pay less than these rates.

5-4 INSURANCE.

5-4.2 General Liability Insurance.

The liability insurance coverage values are hereby amended to be:

Insurance Coverage Requirements	Limit Requirements
Comprehensive General Liability	$2,000,000
Product/Completed Operations Hazard	$2,000,000
Comprehensive Automobile Liability	$2,000,000
Contractual General Liability	$2,000,000
Worker's Compensation	Statute

A combined single limit policy with aggregate limits in the amount of $4,000,000 will be considered equivalent to the required minimum limits. A pro forma copy of the policy(s) shall be submitted to the City. A certificate of endorsement naming the City and its Agents as additional insured identifying the coverage limits, dates of coverage insurance provided, and project number is required.

5-7 SAFETY.

5-7.1 Work Site Safety.

5-7.1.1 General.

Subsection 5-7.1.1 is hereby added to Section 5 of the Standard Specifications as follows:

It is part of the service required of the Contractor to make whatever provisions are necessary to protect the public. The Contractor shall use foresight and shall take such steps and precautions as its operations warrant to protect the public from danger, loss of life or loss of property, which would result from interruption or contamination of public water supply, interruption of other public services, or from the failure of partly completed work or partially removed facilities. Unusual conditions may arise on the work, which will require that immediate and unusual provisions be made to protect the public from danger or loss, or damage to life and property, due directly or indirectly to prosecution of work under this contract.

Whenever, in the opinion of the Engineer, an emergency exists against which the Contractor has not taken sufficient precaution for the public safety, protection of utilities and protection of adjacent structures or property, which may be damaged by the Contractor's operations and when, in the opinion of the Engineer, immediate action shall be considered necessary in order to protect the public or property due to the Contractor's operations under this contract, the Engineer will order the Contractor to provide a remedy for the unsafe condition. If the Contractor fails to act on the situation within a reasonable time period, the Engineer may provide suitable protection to said interests by causing such work to be done and material to be furnished as, in the opinion of the Engineer may seem reasonable and necessary.

The cost and expense of said labor and material, together with the cost and expense of such repairs as are deemed necessary, shall be borne by the Contractor. All expenses incurred by the AGENCY for emergency repairs will be deducted from the progress payments and the final payment due to the Contractor. However, if the AGENCY does not take such remedial measures, the Contractor is not relieved of the full responsibility for public safety.

SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

6-1 CONSTRUCTION SCHEDULE AND COMMENCEMENT OF WORK.

The following is hereby added to this subsection of the Standard Specifications:

The Contractor's proposed Construction Schedule shall be submitted to the Engineer within ten working days after the date of the Agency's execution of the Contract Agreement. The schedule shall be supported by written statements from each supplier of materials or equipment indicating that all orders have been placed and acknowledged and setting forth the dates that each item will be delivered.

Prior to issuing the Notice to Proceed, the Engineer will schedule a preconstruction meeting with the Contractor to review the proposed Construction Schedule and delivery dates, arrange utility coordination, discuss construction methods, and clarify inspection procedures.

The Contractor shall submit periodic Progress Reports to the Engineer by the last day of each month. The Report shall include an updated Construction Schedule. Any deviations from the original schedule shall be explained. Progress payments will be withheld pending receipt of any outstanding reports.

6-2 PROSECUTION OF THE WORK.

The following is hereby added to this subsection of the Standard Specifications:

6-2.1 A noise level limit of 86 dba at the distance of fifty feet shall apply to all construction equipment on or related to the job whether owned by the Contractor or not. The use of excessively loud warning signals shall be avoided except in those cases required for the protection of personnel

6-2.2 All noise producing project equipment and vehicles using internal combustion engines shall be equipped with mufflers, and air inlet silencers where appropriate, in good operating condition that meet or exceed original factory specifications. Mobile or fixed “package” equipment (e.g. arc-welders, air compressors) shall be equipped with shrouds and noise control features that are readily available for that type of equipment.

6-2.3 All mobile or fixed noise producing equipment used on the project, which is regulated for noise output by a local, state, or federal agency, shall comply with such regulation while in the course of project activity.

6-2.4 Electrically powered equipment instead of pneumatic or internal combustion powered equipment shall be used, where feasible.

6-2.5 Material stockpiles and mobile equipment staging, parking, and maintenance areas shall be located as far as practical from residences.

6-2.6 The hours of conventional construction activities shall be restricted to the periods and days permitted by the local noise or other applicable ordinance. In accordance with the City of BELL GARDENS Noise Ordinance, these activities include (but are not limited to) construction, noisy maintenance activities, all spoils and material transport, demolition, and grading and are prohibited between the hours of 4:00 p.m. and 7:00 a.m. on weekdays (Monday through Friday), Saturday and Sundays, and legal holidays, except in cases of emergency as determined and approved in writing by the City Engineer.

6-2.7 The use of noise producing signals, including horns, whistles, alarms, and bells shall be for safety warning purposes only.

6-2.8 No project related public address, paging, two-way radio, or music system shall be audible at any adjacent residence.

6-2.9 The on-site construction supervisor shall have the responsibility and authority to receive and resolve noise complaints. An appeal process to the City shall be

established prior to construction commencement that will allow for resolution of noise problems that cannot be immediately solved by the site supervisor.

6-2.10 The Contractor shall develop a project noise control plan, which shall be approved and implemented prior to commencement of any construction activity.

6-2.11 Noise control features and plans shall be reviewed and approved by a noise control engineering professional.

6-2.12 Contract incentives may be offered to the construction contractor to minimize or eliminate noise complaints resulting from project activities.

6-2.13 The erection of temporary sound wall barriers shall be considered where project activity is unavoidably close to residences.

6-2.14 Caltrans Standard Specifications (Sections 7 and 42) and Standard Special Provisions (that provide limits on construction noise levels) shall be applied and enforced by the City on the project Contractor.

6-2.15 Arrange noisiest operations together in the construction program to avoid continuing periods of annoyance.

6-2.16 If practical, implement project noise abatement features prior to construction.

6-3 TIME OF COMPLETION.

6-3.1 General.

This subsection of the Standard Specifications shall be replaced by the following:

The Contractor shall complete all work in every detail within **forty (40) working days** (for Base Bid) comprised of **five (5) working days** for mobilization and **thirty-five (35) working days** for construction, after the effective date in the Notice-to-Proceed with the Work to be issued by the CITY. If the Base Bid and Additive Bid are awarded, the city allows **seven (7) additional working days** for each Additive Bid.

6-9 LIQUIDATED DAMAGES.

The liquidated damages value is hereby amended to be **$500.00 per day.**

SECTION 7 – MEAUSREMENT AND PAYMENT

7-3 PAYMENT.

7-3.2 Partial and Final Payment.

The text of Subsection 7-3.2 of the Standard Specifications is hereby deleted and replaced with the following:

The closure date for the purpose of making partial progress payments will be on or about the twenty-fifth (25th) day of each month. The Contractor shall prepare the approximate measurement of the work performed through the closure date and submit it to the AGENCY for approval along with an updated construction schedule.

When the work is complete, the Engineer will determine the final quantities of the work performed and prepare the final progress payment.

Payments are commonly authorized and made within forty five days following the last day of the month submitted. However, payments will be withheld pending receipt of any outstanding reports required by the contract documents. In addition, the final progress payment will not be released until the Contractor returns the control set of Plans and Specifications showing the as-built conditions and any other required documents.

A full five percent (5%) retention will be deducted from all progress payments. The final retention will be authorized for final payment forty (40) days after the date of recordation of the Notice of Completion.

The Contractor, however, may receive interest on the retention for the length of construction, or receive the retention itself as long as the retention is substituted with escrow holder surety of equal value.

At the request and expense of the Contractor, surety equivalent to the retention may be deposited with the State Treasurer or a State or Federally chartered bank as the escrow agent, who shall pay such surety to the Contractor upon satisfactory completion of the contract.

Sureties eligible for investment shall include those listed in Section 16430 of the State Government Code or bank or savings and loan certificates of deposit.

Any escrow agreement entered into shall contain the following provisions:

(a) The amount of surety to be deposited;

(b) The terms and conditions of conversion to cash in case of default of the Contractor; and

(c) The termination of the escrow upon completion of the contract.

7-3.3 Delivered Materials.

This subsection of the Standard Specifications is hereby replaced in its entirety by the following:

Materials and equipment delivered but not incorporated into the work will not be included in the estimate for progress partial payment.

SECTION 8 – FACILITIES FOR AGENCY

8-1 GENERAL.

The following is hereby added to this Subsection 8-1 of the Standard Specifications:

No field offices for AGENCY personnel will be required, however, the AGENCY personnel shall have the right to enter upon the project at all times and shall be admitted to the offices of the Contractor for the project in the City if so provided by the Contractor for his own personnel.

SECTION 9 – CITY STANDARDS, STANDARD PLANS AND DRAWINGS

Section 9 is hereby added to the Standard Specifications as follows:

All public improvements, construction and dedications required and described in this manual shall conform to the standards and specifications of the City. Standards, Standard Plans and Drawings of the following agencies are used by the City of BELL GARDENS and are part of the City's standards. Where there is ambiguity or conflict between standards over which standard shall apply, the City Engineer shall determine what shall apply, and his determination shall be final. All construction is subject to the approval of the City Engineer.

Standard Plans – Standard Plans for Public Works Construction, SPPWC, "Latest Edition and Supplement".

Los Angeles County Public Works Department – Greybook and all plans except those modified or replaced by City Standards.

Los Angeles County Waterworks District - Applicable water.

Los Angeles County Flood Control District - Applicable storm drains.

Sanitation Districts of Los Angeles County - Applicable sewer and manholes.

State of California – California Department of Transportation (Caltrans) Standard Specifications
and Standard Plans - Pavement markings and traffic loops.

City Standards - All applicable standard plans.

Standard Specifications - The latest edition of, and applicable amendments to, the "Standard Specifications for Public Works Construction (SSPWC)."

California Manual on Traffic Control Devices (CA-MUTCD), "Latest Edition".

SECTION 400 – PROTECT AND RESTORATION

400-1 GENERAL.

The second paragraph of Subsection 400-1 of the Standard Specifications is hereby deleted and replaced with the following:

The Contractor shall relocate, repair, replace or re-establish all existing improvements within the project limits which are not designated for removal (e.g., curbs, sidewalks, driveways, fences, walls, sprinkler systems, signs, utility installations, pavements, structures, etc.) which are damaged or removed as a result of the operations or as required by the Plans and Specifications.

Where existing traffic striping, pavement markings, and curb markings are damaged or their reflectivity reduced by the Contractor's operations, such striping or markings shall also be considered as existing improvements and the Contractor shall repaint or replace such improvements.

Reallocations, repairs, replacements, or re-establishments shall be at least equal to the existing improvements and shall match such improvements in finish and dimensions unless otherwise specified.

All costs to the Contractor for protecting, removing, restoring, relocating, repairing, replacing, or re-establishing existing improvements shall be included in the bid.

400-2 PERMANENT SURVEY MARKERS.

The following is added after the first paragraph of this subsection of the Standard Specifications:

The Contractor shall reset distributed monuments and provide a Corner Record Survey filed with the County Surveyor and City engineer. Corner Record Surveys shall be completed by a Surveyor licensed in the State of California to practice surveying.

SECTION 402 - UTILITIES

402-1 LOCATION.

The agency did not perform any utility investigation. The Contractor shall be responsible to contact USA to mark all utilities and shall conduct this operation to protect all marked utilities in place. Any damaged utility line shall be repaired at the contractor sole expense. The price for protecting all utilities in place shall be considered as paid for in the various Bid items and no additional compensation shall be allowed thereafter

SECTION 600 – ACCESS

600-1 GENERAL.

The following is hereby added to this subsection of the Standard Specifications:

The Contractor shall notify the occupants of all affected properties in writing at least forty-eight hours (2 working days) prior to any temporary obstruction of access. Vehicular access to the property shall be maintained except as required for construction for a reasonable period of time. No overnight closure of any driveway will be allowed except as permitted by the Engineer.

600-2 VEHICULAR ACCESS.

There are some driveways that require replacement in order to be American with Disabilities Act (ADA) compliant. Where a property has two driveways, only one driveway at a time can be closed for replacement. Where a single driveway to a property has a considerable width, half of the driveway is to be closed, worked on and reopened for usage before the other half of the driveway can be worked on.

All driveways have to be open for access during project non-construction hours and days which may require use of plating and other devices or methods.

No driveway can be worked on until the owner/tenant has been informed in writing with five (5) working days' notice of the scheduled work and has agreed to the planned schedule of the Contractor.

Under situations of driveway closure to pedestrians, the Contractor shall post advance notice on barricades to direct pedestrian to use the sidewalk on the opposite side of the street or the Contractor may elect to provide continuous K-rail in the curb lane to allow pedestrians to walk in the curb lane behind the K-rail. Any and all devices such as plates, barricades, K-rails and notices shall be continuously maintained for pedestrian and vehicle safety. No curb lanes shall be closed during non-working days of the week. Appropriate advance warning signs shall be continuously maintained as needed during the project. All such devices, warning signs and interruptions of normal vehicle lanes, parking lanes and pedestrian walkways shall be shown on the Traffic Control Plan for advance approval by the Agency.

SECTION 601 – TEMPORARY TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE WORK ZONES

601-1 GENERAL.

This subsection is added to section 600-1 of the Standard Specifications:

Street closures will not be allowed except as specifically permitted by the Engineer.

At the Pre-Construction meeting, the Contractor shall submit to the Engineer a detailed written plan for traffic control and construction sequencing for the project. The plan shall include drawings as necessary to clearly outline how traffic flow and pedestrian walkways will be handled during the course of construction and where detour and advance notice signs will be posted.

601-3 TEMPORARY TRAFFIC CONTROL (TTC) ZONE DEVICES.

601-3.6 Channelizing Devices.
601-3.6.1 General.

Traffic lane transitions shall not be sharper than a taper of thirty to one.

Temporary traffic channelization shall be accomplished with barricades, K-rail sections or delineators. Temporary striping will not be allowed unless specifically permitted by the Engineer. The Contractor shall prepare any plans that may be required for temporary striping to the satisfaction of the Engineer. In no event will temporary striping be allowed to remain on finish pavement surfaces.

In no case shall traffic be diverted from the existing traveled way without prior approval of the City Engineer.

601-3.7 Traffic Sign Enhancement Devices.
601-3.7.1 General.

The contractor shall include in his Traffic Control Plan use of lighted message boards to notify traffic of project and any changes in vehicle or pedestrian travel routes.

If the Contractor shall fail to provide and install any of the signs or traffic control devices ordered by the Engineer, the Engineer may either stop the work or cause such signs or traffic control devices to be placed by others and charge the cost therefor against the Contractor, and deduct same from the next progress payment

601-5 TRAFFIC LANE WIDTHS AND CLEARANCES.

601-5.2 Lane Widths.

601-5.3 Clearances.

Clearances from traffic lanes shall be five feet to the edge of any excavation and two feet to the face of any curb, pole, barricade, delineator, or other vertical obstruction.

Clearances from traffic lanes shall be five feet to the edge of any excavation and two feet to the face of any curb, pole, barricade, delineator, or other vertical obstruction.

Any striped roadway shall be delineated by the Contractor with temporary raised reflective markers when it is to be left un-striped overnight.

SPECIAL PROVISIONS

PART 2 – BID ITEM DESCRIPTIONS

FOR

VARIOUS ALLEYS IMPROVEMENTS
FY 2021-2022
C.I.P. NO. 3917

IN THE CITY OF BELL GARDENS

All Bid Items shall be in accordance with the Greenbook Standard Plans and Specifications for Public Works Construction (SPPWC & SSPWC), Latest Edition including supplements, State of California (Caltrans) Standard Plans and Specifications, Latest Edition, and the Special Provisions and General Conditions of these specifications.

Bid Items No. 1 – Provide Traffic Control

Traffic Control, Traffic Control plan, construction signing and traffic maintenance shall comply with the provisions of Subsections 5-7, 600 and 601 of the Standard Specification, Subsection 56-2 of the Caltrans Standard Specifications, and the current requirements set forth in the "Manual of Traffic Controls for Construction and Maintenance Work Zones" published by the Department of Transportation, State of California, and Manual on Uniform Traffic Control Devices (CA-MUTCD), Latest Edition, by the Federal Highway Administration and California, the traffic control plans and these Special Provisions.

The Contractor shall maintain the following clearances from the edge of traffic lanes:

1) 5 feet to any excavation,
2) 2 feet to curbs or temporary concrete barriers,
3) 10 feet to poles and other obstructions on uncurbed roadways.

If determined by the Engineer that it is necessary to decrease these minimum distances to allow for the prosecution of the work, the Contractor shall provide all protective devices required by the Engineer to adequately protect the public.

PUBLIC CONVENIENCE

Within ten working days after the date of the Agency's execution of the Contract Agreement the Contractor shall submit a proposed Construction Schedule for approval. Based on the approved project schedule, the Contractor shall notify residents and businesses of the proposed work and post temporary "NO PARKING" signs at no cost to the City. Signs shall be posted at all intersections, and on each side of the street a maximum of 200 feet between signs. Signs may not be attached to existing poles, street lights standards or trees. All signs must be posted on delineators or stakes provided by the Contractor. The "NO PARKING" signs shall be in place not less than

seventy two (72) hours prior to performing the work; therefore a request for changes in the schedule requiring additional posting shall be submitted by the Contractor for approval by the Engineer at least seventy-two (72) hours prior to reconstruction and paving the street. All conflicting parking signage shall be covered.

Due to the nature of this project involving major inconvenience to residents and businesses, a good Public Relations Program is mandatory and evidence of satisfactory past performance in this area will be required.

The Contractor is to distribute two (2) "Public Notice" to each residence and business affected by the project. The first notice shall be distributed ten (10) calendar days prior to the start of any work. The second notice shall be distributed at least seventy two (72) hours prior to the start of work on a specific section of the street. A sample copy of the notice must be approved by the City. Said notice shall be attached to a red information hanger provided by the Contractor and hung on the gate or front door knob. The Contractor shall also coordinate with the bus services to ensure the safe operation of buses and access to bus stops in the construction area. Notices shall be in English and Spanish languages.
The Contractor shall also coordinate with the street sweeping, trash disposal, Bell Gardens Bus Lines and postal services agencies to ensure the safe operation of their vehicle and access in the construction area.

All complaints received by the City associated with the construction project alleging damage to private property and vehicles shall be responded to by the Contractor within twenty-four (24) hours (one working day) of notification. Failure to comply with this provision may result in a penalty of One Hundred dollars ($100.00) per occurrence.

All trucks, which the Contractor proposes to use, that exceed the legal load limit when loaded will be required to have overweight permits issued by the City.

The Contractor shall be responsible for adequate barricading of the work area and controlling of traffic in the vicinity of the project as specified in Subsection 601 of the General Provisions.

PROTECTION OF WORK AND PUBLIC

The Contractor shall take all necessary measures to protect work and prevent accidents during any and all phases of the work. The Contractor shall repair all damaged pavement as a result of vandalism (i.e., vehicle tracks, footprints, graffiti, etc.) If deemed necessary by the City, the Contractor shall repair the defective area in accordance with these special provisions.

CONSTRUCTION SIGNING

Construction signing shall consist of furnishing, installing, maintaining and removing construction signs and barricades as required by the "California Manual on Uniform Traffic Control Devices", CA-MUTCD. The traffic control system shall be installed on a road prior to starting work for that road and shall not be removed until all work has been completed on that road. Existing speed limit signs, which conflict with the work zone

speed limit, shall be covered during the entire construction period.

TRAFFIC MAINTENANCE

The Contractor shall be responsible for handling vehicular and pedestrian traffic in accordance with Subsection 601 of the Standard Specifications and these Special Provisions.

The Contractor shall prepare all necessary traffic control plans and submit to the City for approval at the pre-construction meeting. The traffic control plans shall be prepared by a California Licensed Traffic Engineer and shall show:

1. Notification Signs.
2. Existing and temporary lane lines.
3. Dimensions of the work zone and street improvements.
4. Advance warning signs.
5. Delineators
6. Lighting, for nighttime work.

The plans shall be submitted to the City at the preconstruction meeting prior to commencing work and shall incorporate a complete and separate plan for each stage of construction proposed by the Contractor. This plan shall indicate the sequence of lanes or portions of lanes being closed for each phase. The traffic control plans shall indicate the travel plan for each phase of construction. The traffic control plans shall state:

1. That the plan will conform to “California Manual on Uniform Traffic Control Devices”, CA-MUTCD.
2. Emergency contact person and phone number.
3. Minimum lane widths and minimum clearance to obstructions.

The traffic control plan shall be approved by the City of Bell Gardens prior to beginning any removals.

The Contractor shall cooperate with the City of Bell Gardens relative to handling traffic through all work areas and shall make his own arrangements relative to keeping the working area clear of parked vehicles and maintaining clear access to driveways.

The Contractor shall furnish and install construction notification signs as shown on traffic control plans and as specified by the City of Bell Gardens.

The Contractor shall provide for controlled pedestrian crossings through the work. Crossings shall provide pedestrians a means of passing over or through the work without tracking tack coat or hot asphalt concrete or P.C.C. work or endangering pedestrian safety. All temporary pedestrian crossings shall be in compliance with the latest Americans with Disabilities Act design standards and supplements.

At intersections, if a cross road needs to be temporarily closed when work is in progress through the intersection and the anticipated traffic delay is more than five (5) minutes, a detour sign shall be installed on the cross street and shall include the installation of advance signing displaying the anticipated delay time. The signing of the detour route shall be approved by the Engineer prior to installation of the detour and closure of the

road.

The Contractor shall provide for one lane of travel in each direction at all times unless approved by the Engineer. When two-way traffic is restricted to one lane in each direction, and when applying paving past intersecting roads, traffic shall be controlled as required by the "California Manual on Uniform Traffic Control Devices", CA-MUTCD. A pilot car and driver will be required at various locations if control by flaggers and/or control devices proves deficient in the opinion of the Engineer. In no case shall the Contractor provide less than one (1) lane of travel in each direction through the construction zone including cross-streets.

Contractor's equipment and personal vehicles of the Contractor's employees shall not be parked on the traveled way at any time. Overnight parking of construction equipment shall be confined to an approved storage site selected by the Contractor and approved by the City.

TEMPORARY GUIDE MARKERS

Temporary guide markers shall be portable Caltrans Standard Specifications approved delineators. Only one type of temporary guide marker shall be used on any road at any one time.

Temporary guide markers shall be placed adjacent to the edge of all vertical lips or excavations that exceed 3/4 inches. If the temporary guide markers are damaged, or are not in an up-right position, from any cause, said markers should immediately be replaced or restored to their original locations, in an upright position by the Contractor.

PORTABLE DELINEATORS

The vertical portion of the portable delineators shall be brilliant orange or predominantly orange in color. The posts shall be not less than 100 square inches, measured through the vertical axis of the delineator, normal to the roadway. The minimum height shall be thirty-seven (37) inches above the traveled way.

Two 4-inch nominal width reflective bands shall be mounted a minimum of 1 ½ inches apart and at a height on the post so that one reflective band will be between 2.5 feet and 3 feet above the roadway surface.

Reflective bands shall be flexible vinyl plastic, either white or yellow, and shall have not less than the following dry reflective values at a 0.2-degree divergence angle, expressed I units if candlepower per foot-candle per square foot. The wet reflective values shall not be less than ninety percent (90%) of the dry values.

Dry Reflective Value

Angle of Incidence	4º	5º	30º
White	250	165	50
Yellow	10	110	50

All tests for reflective values shall be performed in accordance with California Test Method No. 642.

The portable delineators shall be spaced as necessary for proper delineation; however, in no case shall the spacing between portable delineators exceed thirty (30) feet on tangents or twenty (20) feet on curves.

FLUORESCENT TRAFFIC CONES

Provide lighted flashers and lighting for night time. Traffic cones shall be fluorescent new or reconditioned and of good commercial quality, flexible material suitable for the purpose intended. The outer section of the portion above the base of the once shall be highly pigmented fluorescent orange polyvinyl compound. The overall height of the cone shall be anchored in a manner such that the traffic cone will remain in an upright position. Lighted flashers and lighting shall be provided additionally for nighttime.
The fluorescent traffic cones shall be spaced as necessary for proper delineation; however, in no case shall the spacing between fluorescent cones exceed thirty (30) feet on tangents or twenty (20) feet on curves.

STRIPING

Temporary striping and marking which has no further use shall be removed by wet sandblasting, and all sand used in sandblasting shall be removed without delay as the sandblasting operation progresses.

RESTRICTIONS ON CLOSURE OF STREETS AND TRAFFIC LANES

The Contractor shall conduct all operations so as to provide access to the adjoining properties and have no greater length or quantity of work under construction that can be properly prosecuted with a minimum of inconvenience to the public.

The Contractor shall construct temporary A.C. ramps or equal to provide safe and drivable access to residents and business properties daily.

The Contractor shall coordinate all shipments and deliveries to businesses. If steel plates are required, they shall be provided by the Contractor at no additional cost to the City.

The Contractor shall be responsible for furnishing, placing and maintaining barricades and lights as necessary to protect the public from danger due to the work being done.

No additional amounts shall be paid for erosion control, erosion damage clean-up, and removal of debris from the project site, NPDES requirements, or removal of soil deposited on public streets by construction traffic.

Payment for **Traffic Control** shall be included in the **Lump Sum (LS) Price** bid and shall be considered full compensation for providing and maintaining safe traffic control including all temporary signs, striping and delineation, preparing and providing traffic control plan during the project, obtaining all approvals and permits, as required, from all

related agencies, including, but not limited to, public agencies and the City of Bell Gardens; and complying with the requirements specified in those licenses and permits, coordination, field office facility; and incidentals necessary to perform all related items of work.

Bid Item No. 2 – Sawcut and Remove Existing Concrete Alley Intersection

This Bid Item shall include all labor, material and equipment required to sawcut, remove, haul away and properly dispose of existing concrete alley intersection and related adjacent areas needed to construct alley intersection. Removal of concrete alley intersection as shown on the plans in conformance to Subsection 401-3.2 of the Standard Specifications for Public Works Construction.

Sawcutting shall be accomplished by the use of a power driven saw. The depth of the cut shall be deep enough to provide a clean, straight break without loosening, cracking, or damaging adjoining asphalt or concrete. A clean sawcut edge shall be maintained until new concrete alley intersection is constructed. Generally sawcuts shall be on existing joints or score mark. All necessary sawcutting of existing concrete Alley Intersection shall be to the lines shown on plans. Sawcutting shall be included in the unit price and no further compensation shall be made.

Removal of two-foot wide strip of AC pavement adjacent to the edge of alley intersection for forming and placement of new alley intersection is included in this removal bid item and no additional compensation will be allowed.

Payment for **Sawcutting and Removal of Existing Concrete Alley Intersection** shall be paid for at the contract unit price per **Square Foot (SF)** and shall be considered full compensation for complying with the above requirements and shall include furnishing of labor, materials, equipment, sawcutting, removal, excavation, hauling, properly disposing, protection of facilities, grading, sub-grade compaction, restoration and incidentals for doing all the work involved complete in place and no additional compensation will be allowed.

Bid Item No. 3 – Sawcut and Remove Existing Concrete Sidewalk

This Bid Item shall include all labor, material and equipment required to sawcut, remove, haul away and properly dispose of existing concrete sidewalk and sub-grade compaction. Removal of concrete sidewalk as shown on the Contract Drawings and as directed in the field by the Engineer shall conform to Subsection 401-3.2 of the Standard Specifications for Public Works Construction.

Sawcutting shall be accomplished using a power-driven saw. The depth of the cut shall be deep enough to provide a clean, straight break without loosening, cracking, or damaging adjoining asphalt or concrete. A clean sawcut edge shall be maintained until new concrete sidewalk is constructed. Generally, sawcuts shall be on existing joints or score mark.

All necessary sawcutting of existing concrete sidewalks shall be to the lines shown on Plans and as directed in the field by the Engineer. Sawcutting shall be included in the unit price and no further compensation shall be made.

This item shall include root clearing and/or tree root removal of the sections immediately adjacent and underneath sidewalk in order to bring new sidewalk to final finish grade. Full compensation for root clearing and tree root removal shall be included in the unit price of sidewalk and no further compensation shall be made.

Payment for **Sawcutting and Removal of Existing Concrete Sidewalk** shall be paid for at the contract unit price per **Square Foot (SF)** and shall be considered full compensation for complying with the above requirements and shall include furnishing of labor, materials, equipment, sawcutting, removal, excavation, hauling, properly disposing, protection of facilities, grading, sub-grade compaction, restoration and incidentals for doing all the work involved complete in place and no additional compensation will be allowed.

Bid Item No. 4 – Sawcut and Remove Existing Concrete Longitudinal Gutter

This Bid Item shall include all labor, material and equipment required to sawcut, remove, haul away and properly dispose of existing concrete Gutter and sub-grade compaction. Removal of concrete longitudinal gutter as shown on the Contract Drawings, shall conform to Subsection 401-3.2 of the Standard Specifications for Public Works Construction.

Sawcutting shall be accomplished by the use of a power-driven saw. The depth of the cut shall be deep enough to provide a clean, straight break without loosening, cracking, or damaging adjoining asphalt or concrete. A clean sawcut edge shall be maintained until new concrete gutter is constructed. The exact location of the longitudinal gutter removal shall be approved by the City Engineer in the field. Generally, sawcuts shall be on existing joints.

All necessary sawcutting of existing concrete gutter shall be to the lines as required by the City Engineer. Sawcutting shall be included in the unit price and no further compensation shall be made.

All materials to be removed as indicated on the plans shall be disposed of at a legal site as specified in subsection 401-3.2 of the Standard Specifications for Public Works Construction.

Payment for **Sawcut and Remove Existing Concrete Longitudinal Gutter** shall be paid for at the contract unit price per **Square Foot (SF)** and shall be considered full compensation for complying with the above requirements and shall include furnishing of labor, materials, equipment, sawcutting, removal, excavation, hauling, properly disposing, protection of facilities, grading, sub-grade compaction, restoration and incidentals for doing all the work involved complete in place and no additional compensation will be allowed.

Bid Item No. 5 – Sawcut and Remove Existing AC Pavement, Base, Sub-base, and Native Soil to clear depth for New Improvement

This Bid Item shall conform to Section 401-2 of the Standard Specifications and shall include all labor, material and equipment required to include the following items of work:

A. Sawcutting and removal by excavation of existing asphalt concrete (AC) pavement and underlying materials excavated to a depth required for the placement of a new pavement section and sub-base as shown on the project drawings. The excavation shall include, but is not limited to, the subgrade native soils. All work shall be completed in accordance with these specifications, the lines and grades, and typical cross-sections shown on the drawings. The underlying materials which are removed from excavations beneath the existing AC pavement shall be inspected by the City Engineer prior to performing over excavation.

B. Removal of materials resulting from milling, excavation, shall be legally disposed of legally debris, shrubs, rubbish and excess material.

C. Maintaining dust control at all times by watering.

D. Removal and disposal of any additional items not specifically mentioned herein, which may be found within the work limits or are shown on the plans to be removed and disposed off legally.

E. Removal and disposal of unnamed concrete improvements.

F. Restoration and clean-up of the site.

G. Providing for traffic control and maintenance of access to driveways, security and safety including signs, barricades, covers, steel plates and/or chain link fencing as necessary.

H. Protecting in place of existing water mains, sewers, storm drains, meters, valve covers, walls, fences, curbs, fire hydrant, telephone and power poles, and other existing structures.

I. Removing and restoring or relocating all sprinkler lines, heads, valves, etc. interfering with construction of improvements.

J. All materials removed shall be lawfully disposed of at a site secured by the Contractor. The Contractor will make every effort to recycle excavated and demolition materials. The Contractor shall provide the City Engineer with a letter indicating the final disposition of all excavated and demolition materials from the project within five (5) working days after project completion.

K. No excavated or demolished materials shall be left in the public right of way overnight.

It is the Contractor’s responsibility to do whatever subsurface exploration is required to

do a complete bid covering the cost of removal to the grades required.

The Contractor shall also be aware of existing Petromat fabric material under the existing pavement when removing the pavement. Pavement fabric, such as Petromat, shall be removed and disposed of, as required.

The Contractor shall also be aware of existing Macadam material under the existing pavement when removing the pavement.

The Contractor shall prepare the subgrade in accordance with the Specifications and to the satisfaction of the City Engineer, prior to placing new pavement. This item shall include excavation, backfill, disposal of excess materials and fine grading required to establish the grades shown on the Project Plans.

The subgrade preparation shall conform to Section **301-1** of the Standard Specifications. Unless otherwise specified, soil in the paved area shall be compacted to a relative compaction of **ninety-five (95) percent** in layers not to exceed **six (6)** inches of subgrade prior to placement of gravel base and the remainder shall be **ninety-five (90)** percent by a suitable means of compaction.

All existing asphalt concrete (AC) pavement to join new construction shall be sawcut in a straight line. Contractor shall exercise due caution to avoid any damage to existing improvements, protecting in-place of existing water mains, sewers, storm drains, meters, valve covers, wall, fences, curbs, fire hydrants, telephone and power poles, and other existing structures.

It is the Contractor's responsibility to perform whatever additional exploration is necessary to avoid causing any damage to the existing utilities under the work area. Any damage done by the Contractor shall be repaired or replace as called out in Section 402 of the Standard Specifications for Public Works Construction at the Contractor's expense.

This work shall consist of cutting existing asphalt concrete or cement concrete to facilitate its removal. Sawcutting shall be accomplished by the use of a power-driven saw. The depth of the cut shall be deep enough to provide a clean, straight break without loosening, cracking, or damaging adjoining asphalt or concrete. A clean sawcut edge shall be maintained until surface course AC is constructed. Under this item, the use of a grinder will not be allowed in lieu of power-driven saw.

Payment for **Removal of Existing AC Pavement, Base, Subbase and Native Soil** shall be at the contract unit price per **Cubic Yard (CY)** and shall be considered full compensation for furnishing labor, materials, equipment, sawcutting, removals, hauling and disposal of unsuitable materials, grade for the base, compaction and no additional compensation will be allowed therefor. Payment for the removal of Macadam and/or Petromat fabric material shall be included in this bid item of work and no additional compensation will be allowed.

Bid Item No. 6 – Sawcut and Remove Existing PCC Pavement, Base, Sub-base, and Native Soil to clear depth for New Improvement

This Bid Item shall conform to Section 401 of the Standard Specifications and shall include all labor, material and equipment required to include the following items of work:

A. Sawcutting and removal by excavation of existing Portland cement concrete (PCC) pavement and underlying materials excavated to a depth required for the placement of a new pavement section and sub-base as shown on the project drawings. The excavation shall include, but is not limited to, the subgrade native soils. All work shall be completed in accordance with these specifications, the lines and grades, and typical cross-sections shown on the drawings. The underlying materials which are removed from excavations beneath the existing PCC pavement shall be inspected by the City Engineer prior to performing over excavation.

B. Removal of materials resulting from milling, excavation, shall be legally disposed of legally debris, shrubs, rubbish and excess material.

C. Maintaining dust control at all times by watering.

D. Removal and disposal of any additional items not specifically mentioned herein, which may be found within the work limits or are shown on the plans to be removed and disposed off legally.

E. Removal and disposal of unnamed concrete improvements.

F. Restoration and clean-up of the site.

G. Providing for traffic control and maintenance of access to driveways, security and safety including signs, barricades, covers, steel plates and/or chain link fencing as necessary.

H. Protecting in place of existing water mains, sewers, storm drains, meters, valve covers, walls, fences, curbs, fire hydrant, telephone and power poles, and other existing structures.

I. Removing and restoring or relocating all sprinkler lines, heads, valves, etc. interfering with construction of improvements.

J. All materials removed shall be lawfully disposed of at a site secured by the Contractor. The Contractor will make every effort to recycle excavated and demolition materials. The Contractor shall provide the City Engineer with a letter indicating the final disposition of all excavated and demolition materials from the project within five (5) working days after project completion.

K. No excavated or demolished materials shall be left in the public right of way overnight.

It is the Contractor’s responsibility to do whatever subsurface exploration is required to

do a complete bid covering the cost of removal to the grades required.

The Contractor shall also be aware of existing Petromat fabric material under the existing pavement when removing the pavement. Pavement fabric, such as Petromat, shall be removed and disposed of, as required.

The Contractor shall also be aware of existing Macadam material under the existing pavement when removing the pavement.

The Contractor shall prepare the subgrade in accordance with the Specifications and to the satisfaction of the City Engineer, prior to placing new pavement. This item shall include excavation, backfill, disposal of excess materials and fine grading required to establish the grades shown on the Project Plans.

The subgrade preparation shall conform to Section **301-1** of the Standard Specifications. Unless otherwise specified, soil in the paved area shall be compacted to a relative compaction of **ninety-five (95) percent** in layers not to exceed **six (6)** inches of subgrade prior to placement of gravel base and the remainder shall be **ninety-five (90)** percent by a suitable means of compaction.

All existing Portland cement concrete (PCC) pavement to join new construction shall be sawcut in a straight line. Contractor shall exercise due caution to avoid any damage to existing improvements, protecting in-place of existing water mains, sewers, storm drains, meters, valve covers, wall, fences, curbs, fire hydrants, telephone and power poles, and other existing structures.

It is the Contractor's responsibility to perform whatever additional exploration is necessary to avoid causing any damage to the existing utilities under the work area. Any damage done by the Contractor shall be repaired or replace as called out in Section 402 of the Standard Specifications for Public Works Construction at the Contractor's expense.

This work shall consist of cutting existing asphalt concrete or cement concrete to facilitate its removal. Sawcutting shall be accomplished by the use of a power driven saw. The depth of the cut shall be deep enough to provide a clean, straight break without loosening, cracking, or damaging adjoining asphalt or concrete. A clean sawcut edge shall be maintained until surface course PCC is constructed. Under this item, the use of a grinder will not be allowed in lieu of power-driven saw.

Payment for **Removal of Existing PCC Pavement, Base, Subbase and Native Soil** shall be at the contract unit price per **Square Feet (SF)** and shall be considered full compensation for furnishing labor, materials, equipment, sawcutting, removals, hauling and disposal of unsuitable materials, grade for the base, compaction and no additional compensation will be allowed therefor. Payment for the removal of Macadam and/or Petromat fabric material shall be included in this bid item of work and no additional compensation will be allowed.

Bid Item No. 7 – Construct Concrete Alley Intersection

This Bid Item shall include all labor, material and equipment required to construct concrete alley intersection for the project. Concrete alley intersection shall conform to the provisions of Section 201-1 of the Standard Specifications for Public Works Construction and shall be placed in accordance with Section 303-5 of the Standard Specifications for Public Works Construction. Concrete alley intersection shall be per Standard Plans for Public Works Construction 130-3 over 6" thick compacted Crushed Miscellaneous Base (CMB).

Concrete alley intersection shall be constructed to the line, grades and design shown on the plans to match existing or as ordered by the Engineer. The Contractor shall remove and replace any new concrete work with graffiti markings and blemishes at no additional cost to the City.

Payment for concrete cross gutter and/or spandrel shall conform to the provisions of Subsection 303-5.9 of the Standard Specifications for Public Works Construction. **6" thick compacted Crushed Miscellaneous Base (CMB) under the alley intersection** shall be paid under a separate Bid Item.

Payment for two-foot-wide AC Pavement strip along the alley intersection for forming purposes shall be included in this bid item of work and no additional compensation will be allowed.

Payment for **Construction of Concrete Alley Intersection** shall be paid for at the contract unit price per **Square Foot (SF)** and shall include full compensation for furnishing all labor, materials, tools, equipment, backfilling, grading, compacting, forming, removing and replacing AC for forming purposes, pouring, finishing, hauling, proper disposing, and incidentals for doing all the work involved complete in place and no additional compensation will be allowed therefor.

Bid Item No. 8 – Construct 4" Thick Concrete Sidewalk

This Bid Item shall include all labor, material and equipment required to place concrete sidewalk for the project. Concrete sidewalk shall conform to the provisions of Section 303-5 of the Standard Specifications for Public Works Construction, Standard Plans for Public Works Construction and the Street Improvement Plans made part of these Specifications. Concrete shall be Class 520-C-2500 as specified in Section 201-1.1.2 of the Standard Specifications for Public Works Construction. Concrete sidewalk shall be a minimum 4" thick per the Standard Plans for Public Works Construction 112-2 and 113-2.

Concrete sidewalk shall be constructed to the line, grades and designs shown on the plans. Existing surfaces to be joined shall be sawcut on a neat, straight line at the join location. The Contractor shall remove and replace any new concrete work with graffiti markings and blemishes at no additional cost to the City.

Payment for concrete sidewalk shall conform to the provisions of Subsection 303-5.9 of the Standard Specifications for Public Works Construction.

Payment for **Construction of 4" and 6" thick Concrete Sidewalk** shall be paid for at the contract unit price per **Square Foot (SF)** and shall include full compensation for furnishing all labor, materials, tools, equipment, backfilling, grading, compaction, forming, pouring, finishing, hauling, properly disposing, and incidentals for doing all the work involved complete in place and no additional compensation will be allowed therefor.

Bid Item No. 9 – Construct Concrete Longitudinal Gutter

This Bid Item shall include all labor, material and equipment required to place concrete longitudinal gutter for the project. Concrete longitudinal gutter shall conform to the provisions of Section 303-5 of the Standard Specifications for Public Works Construction, City of Bell Gardens Standard Plans for Public Works Construction and the Street Improvement Plans made part of these Specifications. Longitudinal gutter shall be constructed per SPPWC 122-3. Concrete shall be Class 520-C-2500 as specified in Section 201-1.1.2 of the Standard Specifications for Public Works Construction.

Concrete longitudinal gutter shall be constructed to the line, grades and design shown on the plans or as ordered by the City Engineer. Existing concrete longitudinal gutter to be joined shall be sawcut on a neat, straight line at the join location. The Contractor shall remove and replace any new concrete work with graffiti markings and blemishes at no additional cost to the City. Work shall include replacement of any AC removed to provide space for forming at no additional cost to the City.

Payment for Construct Longitudinal Gutter shall conform to the provisions of Subsection 303-5.9 of the Standard Specifications for Public Works Construction. 6" thick compacted Crushed Miscellaneous Base (CMB) under the Longitudinal Gutter shall be paid under a separate Bid Item.

Payment for **Construction of Concrete Longitudinal Gutter** shall be paid for at the contract unit price per **Square Foot (SF)** and shall include full compensation for furnishing all labor, materials, tools, equipment, backfilling, grading, compacting, forming, pouring, finishing, hauling, properly disposing, and incidentals for doing all the work involved complete in place and no additional compensation will be allowed therefor.

Bid Item No. 10 – Provide and Place 6''-Thick Crushed Miscellaneous Base (CMB)

This Bid Item shall include all labor, material and equipment required to provide and place Crushed Miscellaneous Base (CMB). CMB shall be in conformance with the requirements specified in Section 200-2.4 for untreated base material of the Standard Specifications and shall be placed and compacted per plans and specifications and per Section 301 of Standard Specifications for Public Works Construction.

The gravel base shall be compacted to a minimum 95 percent relative compaction.

Payment for placing crushed miscellaneous base shall conform to the provisions of

Subsection 301-2.4 of the Standard Specifications for Public Works Construction.

Payment for **Provide and Place Crushed Miscellaneous Base (CMB)** shall be paid for at the contract unit price per **Cubic Yard (CY)**, shall include full compensation for furnishing all labor, materials, tools, equipment, backfilling, grading, compacting, finishing, hauling, disposing, and incidentals and for doing all the work involved complete in place and no additional compensation will be allowed therefor.

Bid Item No. 11 – Construct 2"-Thick AC Base Course Type B-PG 64-10

The work in this section shall include all labor, materials, and equipment required to complete all asphalt concrete paving work as following.

- B-PG 64-10 – Depth as indicated on the plans.

This bid item includes the placement of asphalt concrete (AC) base course as shown on the project plans.

Work shall conform to Sections 203-6 of the Standard Specifications for Public Works Construction, these Specifications and as directed by the Engineer.

The Contractor shall submit to the City Engineer a written Construction Plan for the project that include street sweeping equipment, paving equipment and speed, finish roller type, number of passes required, amplitude and period of roller vibration (if used) and truck haul route.

Pneumatic rollers shall not be used. Placement of asphalt concrete shall be installed with a 3 or 5-ton tandem roller. Either vibratory or static will be determined by the City Engineer.

All asphalt concrete work shall be performed in accordance with Subsection 302-5 "Asphalt Concrete Pavement" of the Standard Specifications for Public Works Construction and these Specifications.

Prior to the placement of asphalt concrete, contractor shall clean up milled surface by sweeping or washing before any overlay pavement take place. Otherwise, the dirt and dust will decrease the bond between the new overlay and the existing pavement. When sweeping, more than one pass is needed to remove all the dirt and dust. If the milled surface is washed, the pavement must be allowed to dry prior to pavement. All debris, dirt, and gravel from the surface should be removed and a **tack coat of grade SS-1H** emulsified asphalt conforming to the provision in Subsection 203-3 "Emulsified Asphalt" of the Standard Specifications of Public Works Construction shall be uniformly applied to all existing pavement surfaces and contact surface edges.

A Certificate of Compliance shall be required from the supplier of the asphalt concrete and delivered to the Engineer not less than Ten (10) working days prior to any scheduled asphalt concrete work. Asphalt concrete shall be placed, compacted to 95% relative density.

The field density of compacted Asphalt Concrete (AC) pavement shall be determined by a nuclear asphalt testing device, tested and calibrated in conformance with California Test 375, in the field designed to measure the density of pavement of the thickness being constructed. All test sections (and any such areas where cores are taken for calibration) shall have compactions consistently more than 95% based on the nuclear gauge.

Mix designs submitted for review shall have been performed within Fifteen (15) days from Award of Contract. At the beginning of the paving operation, Contractor shall cooperate with City Engineer and establish a rolling pattern to obtain acceptable density in the compacted asphalt concrete surface. Once the rolling pattern is established, Contractor shall follow this pattern unless otherwise directed by the Engineer.

Tack Coat (Not a Bid Item)

Asphalt emulsion binder shall comply with Section 302-5.4, “Tack Coat, of Standard Specification for Public Works Construction and these Specifications, and as directed by the Engineer.

When asphalt concrete is placed in contact with existing asphalt concrete, the surface shall be completely dry of water, clean of dirt and debris, and a tack coat of asphaltic emulsion shall be applied to insure proper bond. Asphaltic emulsion shall be applied to all vertical surfaces of existing pavement, curbs, and gutters, and construction joints against which asphalt concrete material is to be placed, to pavement to be surfaced and to other surfaces designated in the specifications or as directed by the City Engineer.

The overlay shall not be placed until the binder has cured to the point where it is tacky to the touch and as directed by the Engineer. Asphalt emulsion binder shall be applied so far in advance of placing the surfacing as permitted by the City Engineer. Immediately in advance of placing the overlay, additional asphalt emulsion binder shall be applied as directed by the Engineer to areas where the asphalt emulsion binder has been damaged, and loose or extraneous material shall be removed, and additional compensation will not be allowed.

The area to which asphalt emulsion binder has been applied shall be closed to public traffic. Care shall be taken to avoid tracking binder material onto existing pavement surfaces beyond the limits of the construction.

A tack coat shall be applied to all concrete or gutter surfaces that will be in contact with the asphalt surfacing. The tack coat shall consist of PG-64-10 paving asphalt. It shall be furnished and applied in accordance with the requirements of Section 203, and 302-5 of the SPPWC.

Apply tack coat at a rate not to exceed one-tenth (1/10) gallon per square yard uniformly in one coat on all vertical joins of AC patching and PCC surfaces and edges against which AC is to be placed. The surface to be covered shall be thoroughly cleaned of all dirt and loose materials prior to application of the asphalt binder.

The contract unit price paid for “Asphalt Concrete Pavement”, shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in constructing asphalt concrete overlay complete in place as shown on the project plans found and as specified in these specifications.

Quantities of material wasted or disposed of in a manner not called for under the contract, or rejected loads of material, including material rejected after it has been placed by reason of the failure of the Contractor to conform to the specifications of the contract, or materials placed outside the lines indicated from the transporting vehicle, or material remaining on hand after completion of the work, will not be paid for and such quantities will be deducted from the final total quantities. No compensation will be allowed for hauling rejected material.

Payment for asphalt emulsion binder (Tack Coat) and preparation for overlay shall be included in the contract unit price paid for Asphalt concrete pavement.

Payment for **Asphalt Concrete Base Course (2”-Thick)** will be measured and paid by the **Ton** (**TON)** actually placed accompanied by weight certificates which shall be furnished by the Contractor to the Engineer at the job site upon delivery of the material. Certificates shall be a legible copy of a licensed weigh master's certificate showing gross tare, and net weight of each truckload of asphalt concrete. Measurement shall conform to Section 302-5.9 of Standard Specifications of Public Works Construction.

Bid Item No. 12 – Construct 2”-Thick Asphalt Concrete Overlay Type C2-PG 64-10

The work in this section shall include all labor, materials, and equipment required to complete all asphalt concrete paving work as following.

- C2-PG 64-10 – Depth as indicated on the plans.

This bid item includes the placement of asphalt concrete (AC) Overlay course over existing or proposed AC Base course to a minimum depth of 2 inches as shown on the project plans.

Work shall conform to Sections 203-6 of the Standard Specifications for Public Works Construction, these Specifications and as directed by the Engineer.

The Contractor shall submit to the City Engineer a written Construction Plan for the project that include; street sweeping equipment, paving equipment and speed, finish roller type, number of passes required, amplitude and period of roller vibration (if used) and truck haul route.

Pneumatic rollers shall not be used. Placement of asphalt concrete shall be installed with a 3 or 5-ton tandem roller. Either vibratory or static will be determined by the City Engineer.

All asphalt concrete work shall be performed in accordance with Subsection 302-5 “Asphalt Concrete Pavement” of the Standard Specifications for Public Works Construction and these Specifications.

Prior to the placement of asphalt concrete, contractor shall clean up milled surface by sweeping or washing before any overlay pavement take place. Otherwise the dirt and dust will decrease the bond between the new overlay and the existing pavement. When sweeping, more than one pass is needed to remove all the dirt and dust. If the milled surface is washed, the pavement must be allowed to dry prior to pavement. All debris, dirt, and gravel from the surface should be removed and a **tack coat of grade SS-1H** emulsified asphalt conforming to the provision in Subsection 203-3 "Emulsified Asphalt" of the Standard Specifications of Public Works Construction shall be uniformly applied to all existing pavement surfaces and contact surface edges.

A Certificate of Compliance shall be required from the supplier of the asphalt concrete and delivered to the Engineer not less than Ten (10) working days prior to any scheduled asphalt concrete work. Asphalt concrete shall be placed, compacted to 95% relative density.

The field density of compacted Asphalt Concrete (AC) pavement shall be determined by a nuclear asphalt testing device, tested and calibrated in conformance with California Test 375, in the field designed to measure the density of pavement of the thickness being constructed. All test sections (and any such areas where cores are taken for calibration) shall have compactions consistently in excess of 95% based on the nuclear gauge.

Mix designs submitted for review shall have been performed within Fifteen (15) days from Award of Contract. At the beginning of the paving operation, Contractor shall cooperate with City Engineer and establish a rolling pattern to obtain acceptable density in the compacted asphalt concrete surface. Once the rolling pattern is established, Contractor shall follow this pattern unless otherwise directed by the Engineer.

Tack Coat (Not a Bid Item)

Asphalt emulsion binder shall comply with Section 302-5.4, "Tack Coat, of Standard Specification for Public Works Construction and these Specifications, and as directed by the Engineer.

When asphalt concrete is placed in contact with existing asphalt concrete, the surface shall be completely dry of water, clean of dirt and debris, and a tack coat of asphaltic emulsion shall be applied to insure proper bond. Asphaltic emulsion shall be applied to all vertical surfaces of existing pavement, curbs, and gutters, and construction joints against which asphalt concrete material is to be placed, to pavement to be surfaced and to other surfaces designated in the specifications or as directed by the City Engineer.

The overlay shall not be placed until the binder has cured to the point where it is tacky to the touch and as directed by the Engineer. Asphalt emulsion binder shall be applied so far in advance of placing the surfacing as permitted by the City Engineer. Immediately in advance of placing the overlay, additional asphalt emulsion binder shall be applied as directed by the Engineer to areas where the asphalt emulsion binder has been damaged, and loose or extraneous material shall be removed, and additional compensation will be not be allowed.

The area to which asphalt emulsion binder has been applied shall be closed to public traffic. Care shall be taken to avoid tracking binder material onto existing pavement surfaces beyond the limits of the construction.

A tack coat shall be applied to all concrete or gutter surfaces that will be in contact with the asphalt surfacing. The tack coat shall consist of PG-64-10 paving asphalt. It shall be furnished and applied in accordance with the requirements of Section 203, and 302-5 of the SSPWC.

Apply tack coat at a rate not to exceed one-tenth (1/10) gallon per square yard uniformly in one coat on all vertical joins of AC patching and PCC surfaces and edges against which AC is to be placed. The surface to be covered shall be thoroughly cleaned of all dirt and loose materials prior to application of the asphalt binder.

The contract unit price paid for “Asphalt Concrete Pavement”, shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in constructing asphalt concrete overlay complete in place as shown on the project plans found and as specified in these specifications.

Quantities of material wasted or disposed of in a manner not called for under the contract, or rejected loads of material, including material rejected after it has been placed by reason of the failure of the Contractor to conform to the specifications of the contract, or materials placed outside the lines indicated from the transporting vehicle, or material remaining on hand after completion of the work, will not be paid for and such quantities will be deducted from the final total quantities. No compensation will be allowed for hauling rejected material.

Payment for asphalt emulsion binder (Tack Coat) and preparation for overlay shall be included in the contract unit price paid for Asphalt concrete pavement.

Payment for **Asphalt Concrete Overlay (2”-Thick)** will be measured and paid by the **Ton** (**TON)** actually placed accompanied by weight certificates which shall be furnished by the Contractor to the Engineer at the job site upon delivery of the material. Certificates shall be a legible copy of a licensed weigh master's certificate showing gross tare, and net weight of each truckload of asphalt concrete. Measurement shall conform to Section 7-1 of Standard Specifications of Public Works Construction.

Bid Item No. 13 – Construct Concrete Pavement (8.0” Thick)

This Bid Item shall include all labor, material and equipment required to place concrete pavement for the project. Concrete pavement as shown on the contract drawing shall conform to the provisions of Section 201-1 of the Standard Specifications for Public Works Construction and shall be placed in accordance with Section 302-6 of the of the Standard Specifications for Public Works Construction.

Concrete pavement shall be per Standard Plans for Public Works Construction, Plan 132-3 and shall be constructed to the line, grades and design shown on the plans or as

ordered by the Engineer. The Contractor shall remove and replace any new concrete work with graffiti markings and blemishes at no additional cost to the City.

Payment for 8.0" concrete pavement shall conform to the provisions of Subsection 303-5.9 of the Standard Specifications.

A 6.0" thick compacted crushed miscellaneous base (CMB) under the concrete pavement shall be paid under separate Bid Item.

Payment for **Construction of Concrete Pavement** shall be paid for at the contract unit price per **Square Foot (SF)** and shall include full compensation for furnishing all labor, materials, tools, equipment, sawcutting, hauling, disposing, backfilling, compacting, subgrade preparation and incidentals, and for doing all the work involved complete in place and no additional compensation will be allowed.

Bid Item No. 14 – Construct 2" x 6" Redwood Header

This Bid Item shall include all labor, material and equipment required to Construct Redwood Header for the project. Redwood Header shall be constructed to the line, grades and design shown on the plans or as ordered by the Engineer.

Payment for **Construction of Redwood Header** shall be paid for at the contract unit price per **Linear Foot (LF)** and shall include full compensation for furnishing all labor, materials, tools, equipment, excavation, backfilling, grading, compacting, forming, pouring, finishing, hauling, proper disposing, and incidentals for doing all the work involved complete in place and no additional compensation will be allowed therefor.

Bid Item No. 15 – Adjust Existing Water Meter Box and Cover to Finished Grade, Replace Broken Cover/Box

Meter boxes shall be either precast reinforced concrete or of fiber construction and shall conform to the provision in the water purveyor's Standard Specifications. Existing meter boxes in good condition may be reused if not disturbed as approved by the City Engineer and/or the owner. Broken covers and those not conforming to the above or the requirements on the plans shall be replaced. Existing meter boxes not reused or noted for future use shall be removed and salvaged and the area of removal repaired in kind with the surrounding area, but at a minimum to the minimum standards for the said material used.

Payment for **Adjustment of Water Meter Boxes and Covers to Finished Grade** shall be at the contract unit price per **Each (EA)** Unit Price basis and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved complete in place.

Bid Item No. 16 – Adjust Existing Water Valve Cans and Covers to Finished Grade

Adjusting of water valve cans and covers shall be in accordance with Section 403 of the Standard Specifications. The Contractor is to contact the water utility and determine if the utility wants the Contractor to lower and raise the water valves sleeves and covers

or the water utility will do so on its own. In the latter case the Contractor will not be paid for this work.

All existing water utility covers that can be lowered and raised shall be lowered **prior** to cold milling/removal and adjusted to finished grade by the Contractor or the Utility Owner. The Contractor shall contact the utility or substructure owner organizations to arrange for adjustment of their respective facilities a **minimum** of **seven (7) working days prior** to paving operations in accordance with **Section 403-3** of the Standard Specifications.

Adjustment of existing water valve sleeves shall also be performed after finish paving and covers are to be painted should the Utility Owner want the cover to be painted. The Utility Owner will let the City know what color is to be used.

Payment for **Adjustment of Water Valve Cans and Covers to Finished Grade** shall be based on **Each (EA)** Unit Price basis and shall be considered full compensation of all costs associated with their adjustment including labor, materials, equipment, tools, traffic control and incidentals for doing all the work involved complete in place.

Bid Item No. 17 – Adjust Existing Storm Drain/Sewer/Utility Manhole Frames and Covers to Finished Grade

This Bid Item shall include all labor, equipment and materials to adjust existing sewer/storm drain/utility manhole/vault frames and covers within the project limits to match finished grade if required. The work shall be performed in accordance with Section 403 of the Standard Specifications for Public Works Construction and per Standard Plans for Public Works Construction 205-3, 206-2 and all applicable standard plans.

All existing covers that can be lowered and raised shall be lowered **prior** to cold milling/removal and adjusted to finished grade by the Contractor or by the Utility Owner for the Contractor. For utility frames and covers under the jurisdiction of Verizon, AT&T, Edison, Los Angeles County Flood Control District, Los Angeles County Sanitation Districts, and County Sewer Maintenance Districts, the Contractor shall contact these organizations to arrange for adjustment of their respective facilities a **minimum** of **seven (7) working days prior** to cold milling/paving operations in accordance with **Section 403-3** of the Standard Specifications.

The adjustment of existing manholes/vaults to finished grade shall be performed after finish paving. The removal or addition of grade rings shall be required to facilitate adjustment. Frame and covers shall be thoroughly cleaned and reset to finished grade by cutting pavement one foot outside the limits of the frame and cover. Said cut shall be neat and uniform.

Payment for **Adjustment Storm Drain/Sewer/Utility Manhole Frames and Covers to Finished Grade** shall be paid for at the contract unit price per **Each (EA)** and shall be considered full compensation for labor and furnishing and placing all forms, materials, construction and expansion joints, curing compounds and equipment to complete the construction is considered as included in the price paid, and no additional compensation

will be allowed therefor. Where the manhole frame and cover is performed by the utility owner, no compensation will be made to Contractor.

Bid Item No. 18 – Furnish and Install Public Improvement Project Signs

The Contractor shall supply, erect, and maintain, in good standing free of graffiti markings, public improvement project signs for the duration of construction according to the specifications set forth below. A scaled layout of the sign shall be submitted to the City Engineer for approval prior to fabrication. The sign is illustrated in Appendix "D".

Size: 4 feet by 4 feet sheet plywood mounted on posts with a 7 feet clearance above ground level.

Materials: 3/4-inch (exterior type) plywood (C-C EXT-DFPA grade).

Support: 4-inch by 4-inch by 11 feet posts.

Mounting: Frame shall be constructed using 2 inches by 6 inches by 8 feet skids centered on each post and a 2 inches by 4 inches by 5 feet 6 inches 60 degree brace for each skid and a 2 inches by 6 inches cross-strut between the bottom of the posts all of bolted construction. Plywood panel shall be mounted using 1/2 inch by 8 inch carriage bolts at 24 inches (maximum) on center.

Paint: Panel Face: Three coats outdoor enamel (sprayed) Panel Rear and Frame: Two coats outdoor enamel (sprayed).

Color: Stark white background and blue lettering.

Lettering: Silkscreen enamels, Helvetica medium.

Covering: 1/4 inch clear plastic.

Location: The signs shall be placed at each end of the street that work is being constructed on. If various locations of work are included, the signs will be moved by the Contractor per the AGENCY's schedule.

Disposition: After the Notice of Completion is issued, the sign shall become the property of the AGENCY, and the Contractor shall deliver the sign to the Public Works Facility at no expense to the AGENCY.

Payment for **Furnish and Install of Public Improvement Project Signs** shall be based on **Each (EA)** Unit Price basis and shall include full compensation for all labor materials, tools, equipment, and for doing all work involved, including delivery of the signs to the Public Works Facility at the end of the project.

Bid Item No. 19 – Construction Survey, Staking, Re-establish Survey Monuments and Centerline Ties

It shall be the responsibility of the Contractor to supply any and all construction surveying and staking required. All surveying shall be performed under the direct supervision of a California Licensed Land Surveyor or a Civil Engineer duly licensed to perform land surveying.

It is the Contractor's responsibility to Re-establish Survey Monuments and Centerline ties as disturbed in the field and shall conform to Standard Specification for Public Works Construction Section 309 and as modified below. All work done on monuments shall be recorded and copies thereof filed with the City of Bell Gardens Engineer and the County Surveyor. This work will include all reestablishment of all monuments that are disturbed through the course of completing this project.

A corner record survey shall be completed and filed with the County of Los Angeles Surveyor for each survey monument that the Contractor resets. A copy of each corner record shall be provided to the City of Bell Gardens after filing with the County.

Construction Staking consists of furnishing transportation, labor, materials, and equipment to provide surveying and field engineering under the direction of a land surveyor or professional engineer licensed in the State of California. Furnish skilled labor, instrument platforms, ladders and such other temporary structures, required lighting for making and maintaining points and lines in connection with the surveys required.

Construction Staking shall conform to the Standard Specification Section 3-10. Work under this Section includes, but is not limited to, the following:

1. Establish and maintain horizontal and vertical control points from City of Bell Gardens-supplied benchmarks and baselines.
2. Establish temporary benchmarks.
3. Layout of all work.
4. Construction staking for earthwork and paving work required on the project.
5. Control, staking, and grade checking for all earthworks.
6. Control for construction of reinforcing steel, concrete work, and structural steel work.
7. Maintain records on reproducible contract drawings (ASCII points file) of as-constructed locations of project components and features during the course of the project.

The City of Bell Gardens reserves the right to check the accuracy of Contractor's survey measurements and calculations. Regardless of whether or not the City of Bell Gardens exercises this right, the requirements for Contractor accuracy and adequacy will not be waived.

Copies of all completion survey notes, and other data shall be furnished to the City of Bell Gardens prior to beginning work that requires their use.

Prior to completion of Project and when requested by the City of Bell Gardens, Contractor shall submit a copy of project drawing and certificate signed by California Registered Land Surveyor or Professional Engineer as applicable, that elevations and locations of Work are in conformance with Contract Documents.

Contractor shall set permanent monuments and file “Record of Survey Map”. The contractor shall be responsible to maintain a complete and accurate log of control and survey work as it progresses.

Contractor shall field verify locations of survey control points prior to starting any work on the Project Site. Contractor shall establish and submit to the City of Bell Gardens any temporary control points as necessary due to construction activity. The Contractor shall notify the City of Bell Gardens of any discrepancies discovered and resolve prior to starting any work.

The Contractor shall lay out work from the City Engineer's established control points, baselines, ranges and gauges and shall be responsible for all measurements in connection therewith. Furnish, at Contractor's expense, all stakes, templates, platforms, equipment, range markers, and labor as may be required in laying out any part of the Work from the points and lines established by the City of Bell Gardens. The Contractor will be held responsible for the execution of the Work to such lines and grades as may be established or indicated by the City Engineer. It shall be the responsibility of the Contractor to maintain and preserve all stakes and other marks established by the Surveyor/Engineer retained by the Contractor until authorized to remove them. If such marks are destroyed by the Contractor or through negligence prior to their authorized removal, they may be replaced by the City of Bell Gardens. The expense of replacement will be deducted from any amounts due, or to become due, the Contractor.

Surveying shall conform to methods, procedures, and requirements of the Caltrans Survey Manual. Contractor shall set finish grades at a maximum of 25-ft. intervals for dirt, 25-ft. intervals for rock and at all grade breaks. Contractor shall establish or reestablish baselines and field control points as necessary and provide all basic site engineering to assure accurate locations and elevations for construction. It will be Contractor’s responsibility to verify location and elevation of existing structures and utilities as required for new work.

Control datum for survey may be indicated on Contract Drawings. Contractor shall locate and protect, or replace survey control and reference points, preserve permanent reference points during construction and provide record of survey for replacement at record monument. The Contractor shall report to the City of Bell Gardens loss or destruction of any reference point or relocation required because of changes in grades or other reasons and replace dislocated survey control points based on original survey control. There will be no changes without prior written notice to the City of Bell Gardens.

Payment for **Construction Survey** shall be paid for at the contract unit price per **Lump**

Sum (LS) and shall be considered full compensation for furnishing labor, materials, equipment and removal after construction, and no additional compensation will be allowed therefor. Contractor shall submit electronic files of surveys conducted for Progress Payments with each Pay Request.

Bid Item No. 20 – Provide Soil and Pavement Testing Services as Needed - Allowance

This Contract provides an allowance of up to $4,900 (includes actual cost plus 15% overhead of Contractor) for a geotechnical and soil compaction testing, concrete testing and AC density test (field work, office work and AC batch plant inspection). The Testing/Geotechnical Engineering Firm shall be headed by a California Registered Geotechnical Engineer and shall be approved by the City Engineer prior to start of soil and pavement testing tasks.

All required AC and Soil tests shall be performed per City Engineer requests. All such work required by the City Engineer will be paid by the City to the Contractor on the submittal and approval of invoices of the firm retained by the Contractor plus 15% charge for Contractor supervisorial costs.

Mobilization and Demobilization (NOT A BID ITEM)

Mobilization shall consist of preparatory work and operations including, but not limited to, those necessary for the movement of personnel, equipment, materials, and incidentals to the project site necessary for work on the project and for all other work and operations which must be performed or costs incurred including bonds, insurance, and financing prior to beginning work on the various contract items on the project site. Mobilization shall also include the time, materials, and labor to move the necessary construction equipment to and from the site, supervisory time on the job by the Contractor's personnel to keep the construction site in a safe condition, and all other related work as required at all times and for all nonworking days during construction period. The Contractor is responsible for securing an adequate storage site for equipment and materials.

Compensation for mobilization shall be included in the other items of work and no additional compensation will be allowed.

All Other Items of Work (NOT A BID ITEM)

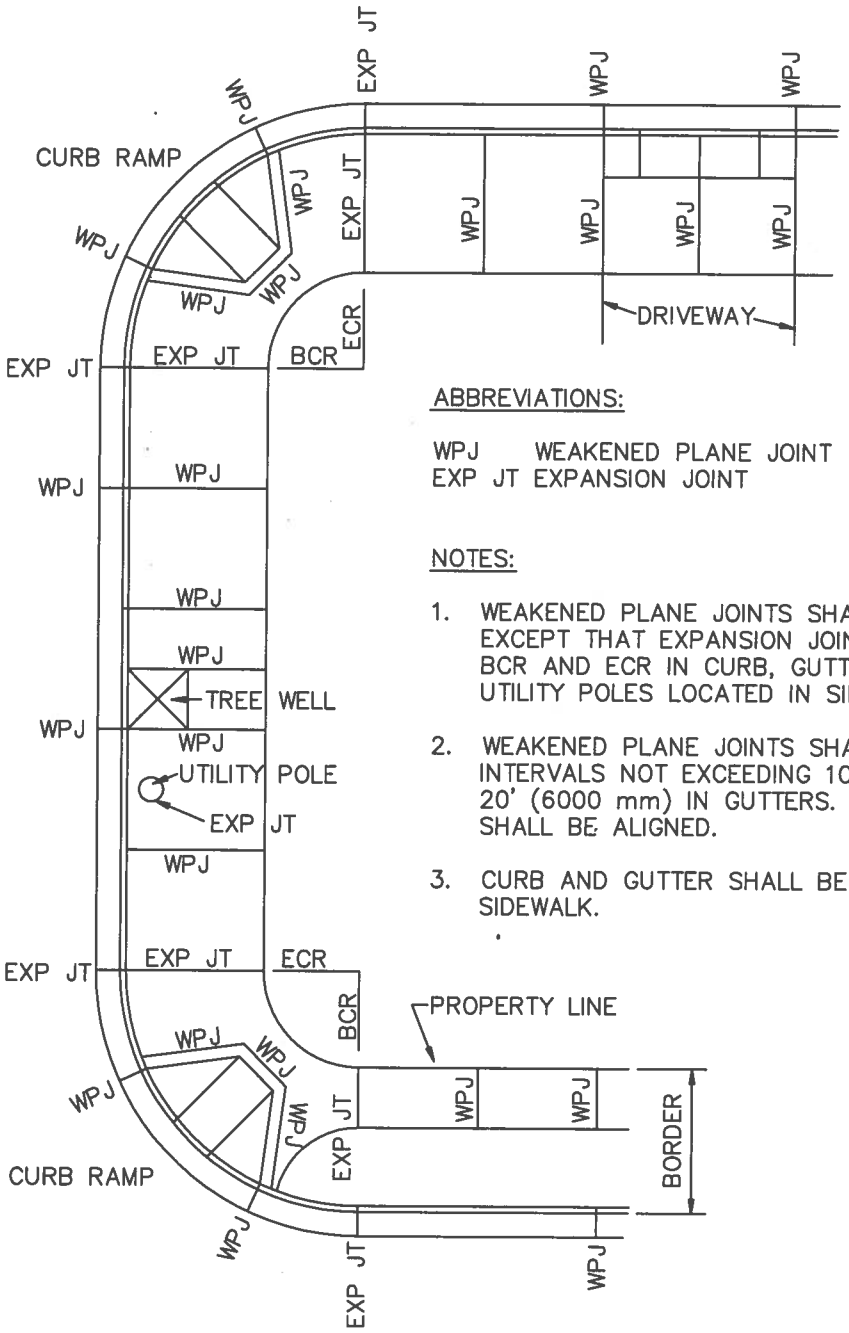
Compensation for all other items of works that are not identified shall be included in the other items of work and no additional compensation will be allowed.

APPENDIX “A”

STANDARD PLANS

LIST OF STANDARD PLANS

Plan No.	Description
Standard Plans for Public Works Construction:	
SPPWC 112-2	Curb and Sidewalk Joints
SPPWC 113-2	Sidewalk & Driveway Replacement
SPPWC 122-3	Longitudinal Gutter
SPPWC 130-3	Alley Intersection
SPPWC 132-4	Concrete Pavement Replacement
SPPWC 133-4	Asphalt Concrete Pavement Joint Details
SPPWC 134-3	Concrete Pavement Joint Details
SPPWC 205-3	Sewer Manhole Raising Rings
SPPWC 206-2	Manhole Raising Rings



ABBREVIATIONS:

WPJ WEAKENED PLANE JOINT
EXP JT EXPANSION JOINT
BCR BEGINNING OF CURB RETURN
ECR END OF CURB RETURN

NOTES:

1. WEAKENED PLANE JOINTS SHALL BE USED FOR ALL JOINTS, EXCEPT THAT EXPANSION JOINTS SHALL BE PLACED AT THE BCR AND ECR IN CURB, GUTTER AND SIDEWALK, AND AROUND UTILITY POLES LOCATED IN SIDEWALK AREAS.
2. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT REGULAR INTERVALS NOT EXCEEDING 10' (3000 mm) IN WALKS AND 20' (6000 mm) IN GUTTERS. JOINTS IN CURB AND WALK SHALL BE ALIGNED.
3. CURB AND GUTTER SHALL BE CONSTRUCTED SEPARATELY FROM SIDEWALK.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1984 REV. 1998, 2009

CURB AND SIDEWALK JOINTS

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

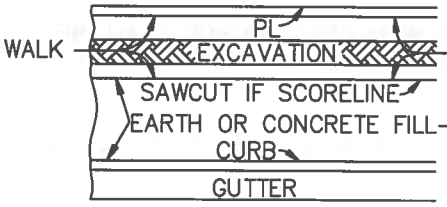
STANDARD PLAN 112-2

SHEET 1 OF 1

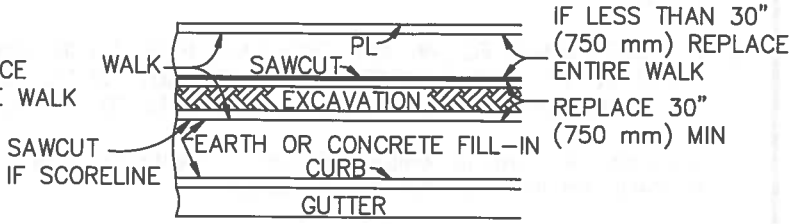
WALK OR FILL–IN REPLACEMENT FOR EXCAVATIONS MADE PARALLEL TO CURB OR PROPERTY LINE

WALK ADJACENT TO PROPERTY LINE

WALK LESS THAN 5' (1500 mm) WIDE

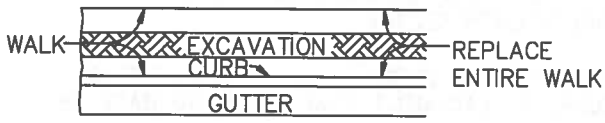


WALK 5' (1500 mm) WIDE OR MORE

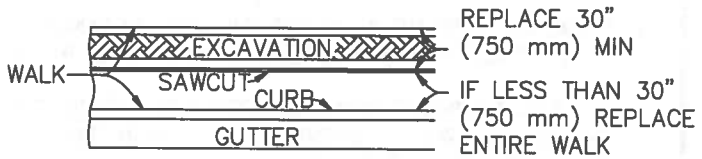


WALK ADJACENT TO CURB

WALK LESS THAN 5' (1500 mm) WIDE

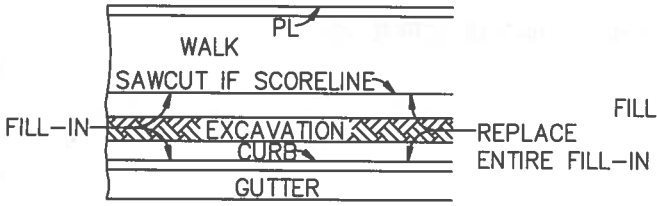


WALK 5' (1500 mm) WIDE OR MORE

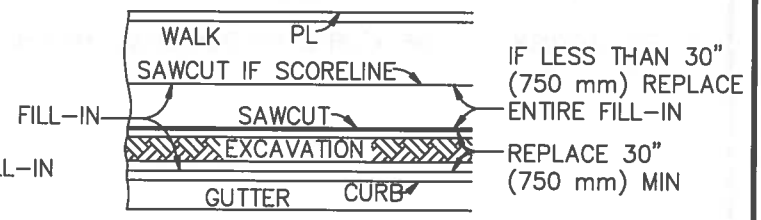


FILL–IN REPLACEMENT

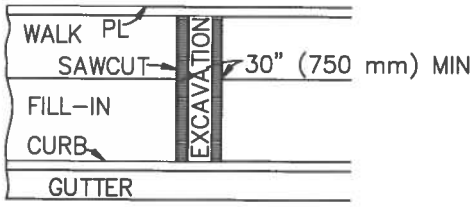
FILL–IN LESS THAN 5' (1500 mm) WIDE



FILL–IN 5' (1500 mm) WIDE OR MORE



WALK OR FILL–IN REPLACEMENT FOR EXCAVATIONS MADE NORMAL TO CURB OR PROPERTY LINE



THESE REQUIREMENTS ALSO APPLY TO ENDS OF PARALLEL EXCAVATIONS.

IF AN EXCAVATION FALLS WITHIN 30" (750 mm) OF AN EXPANSION JOINT, CONSTRUCTION JOINT, WEAKENED PLANE JOINT, OR EDGE, THE CONCRETE SHALL BE REMOVED AND REPLACED TO THE JOINT OR EDGE.

IF AN EXCAVATION FALLS WITHIN 12" (300 mm) OF A SCORELINE, THE CONCRETE SHALL BE REMOVED AND REPLACED TO THE SCORELINE. THE SCORELINE SHALL BE SAWCUT BEFORE CONCRETE REMOVAL.

THE MINIMUM LENGTH OF REPLACEMENT IN BOTH CASES SHALL BE 30" (750 mm).

NOTES

1. CONCRETE WALK, FILL–IN AND DRIVEWAYS REMOVED IN CONNECTION WITH CONSTRUCTION SHALL BE REPLACED TO NEATLY SAWED EDGES. ALL CUTS SHALL BE PARALLEL TO OR PERPENDICULAR TO THE CURB; ON CURVES, THE CUT SHALL BE RADIAL TO THE CURB.

2. DRIVEWAY APRONS IN WHICH THE "W" DISTANCE IS LESS THAN 11' (3300 mm) SHALL BE REPLACED IN THEIR ENTIRETY IF CUT IN ANY AREA.

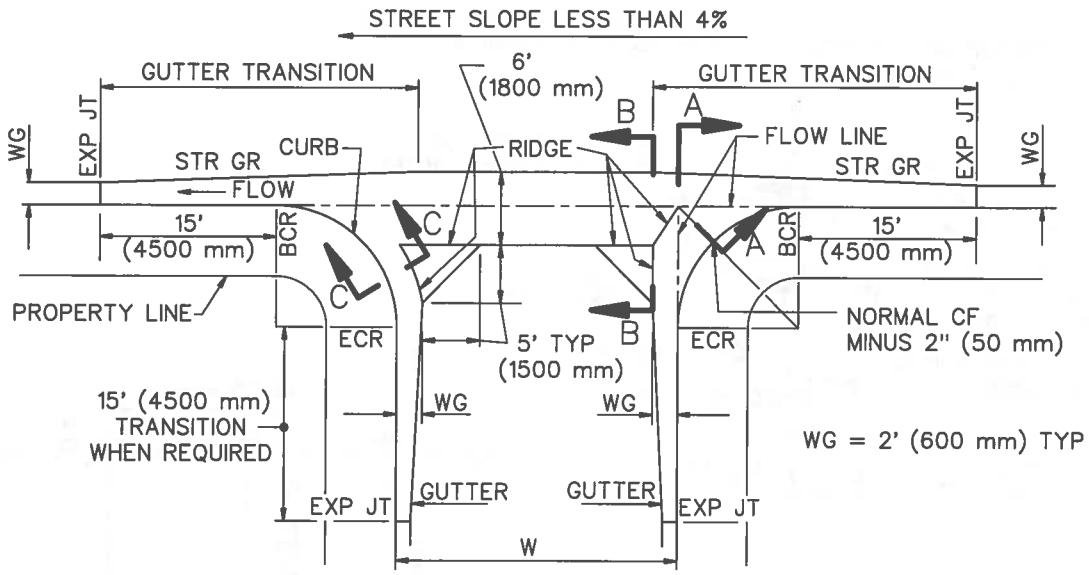
3. DRIVEWAY APRONS IN WHICH THE "W" DISTANCE IS 11' (3300 mm') OR MORE MAY BE CUT WITHIN THE "W" SECTION. THE MINIMUM REPLACEMENT SHALL BE 30" (750 mm) IN LENGTH. THE MINIMUM DISTANCE ALLOWED BETWEEN SUCH CUTS SHALL BE 14' (4200 mm').

4. DRIVEWAY APRONS IN WHICH THE "W" DISTANCE IS 11' (3300 mm) OR MORE MAY BE CUT IN THE "X" OR "R" SECTION. REPLACEMENT SHALL BE THE ENTIRE "X" OR "R" SECTION.

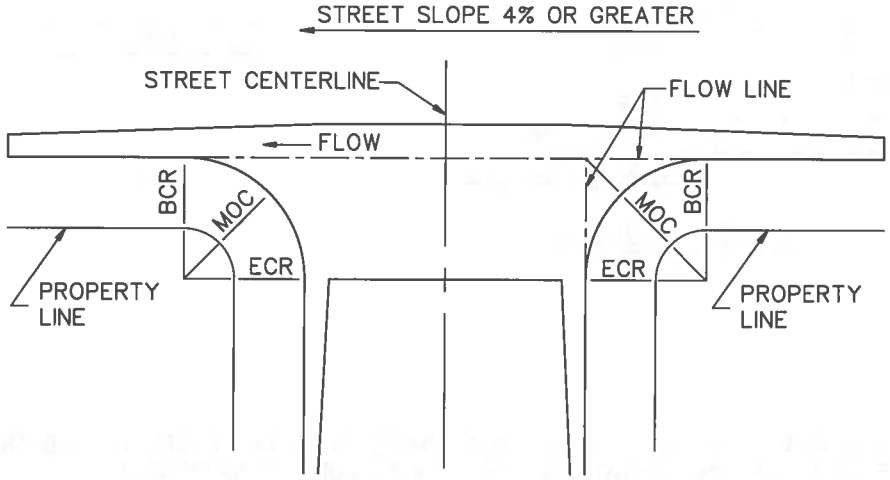
5. DRIVEWAY APRONS SHALL BE REPLACED FROM THE BACK OF THE CURB TO THE FRONT EDGE OF THE WALK, EXCEPT, WHERE WALK IS ADJACENT TO CURB, REPLACEMENT SHALL BE FROM BACK OF CURB TO BACK OF WALK.

6. WALK PORTIONS OF DRIVEWAYS SHALL BE REPLACED AS SHOWN ABOVE FOR EXCAVATIONS MADE PARALLEL OR NORMAL TO CURB.

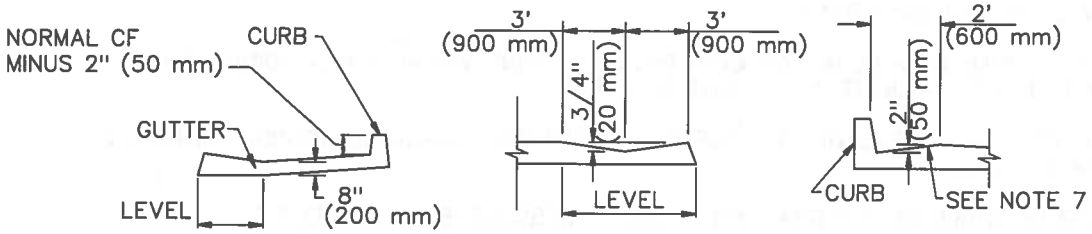
7. REPLACEMENT OF THE "X" OR "R" SECTION SHALL MATCH EXISTING CONSTRUCTION.



TYPICAL CROSS GUTTER PLAN
STREET SLOPE LESS THAN 4%



TYPICAL CROSS GUTTER PLAN
STREET SLOPE 4% OR GREATER



SECTION A–A SECTION B–B SECTION C–C

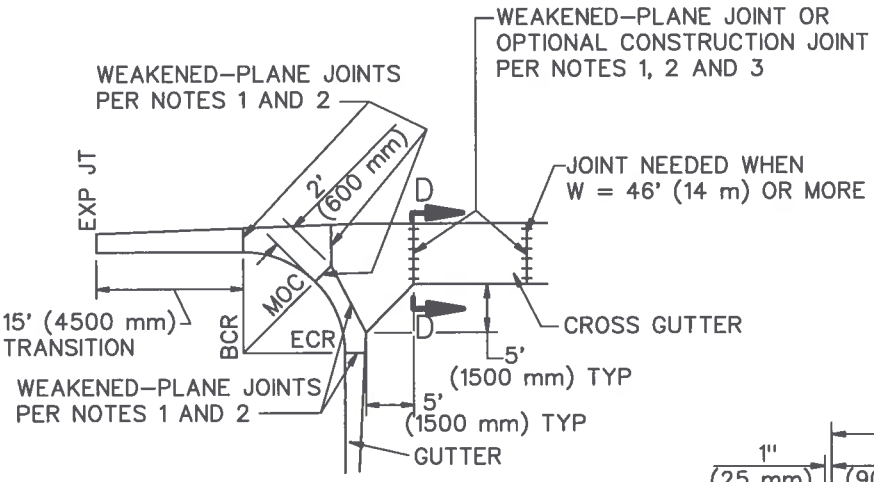
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1984
REV. 1993, 2009, 2021

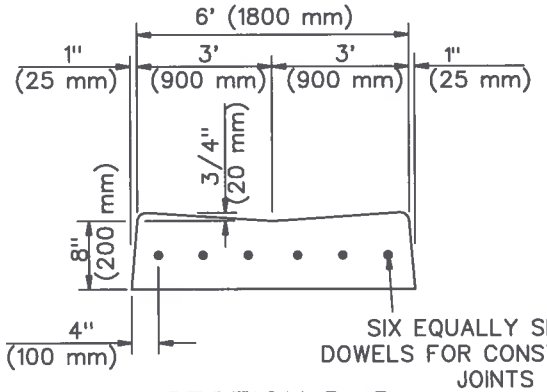
CROSS AND LONGITUDINAL GUTTERS

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

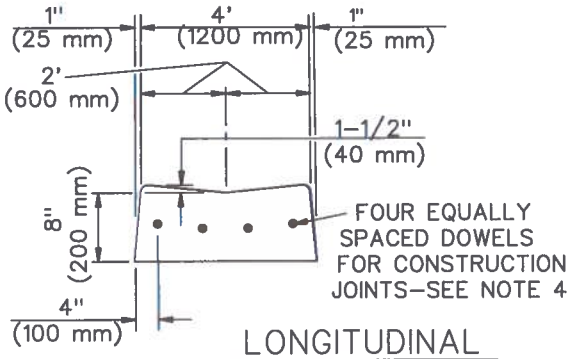
STANDARD PLAN
122–3
SHEET 1 OF 2



TYPICAL JOINT PLAN



SECTION D–D

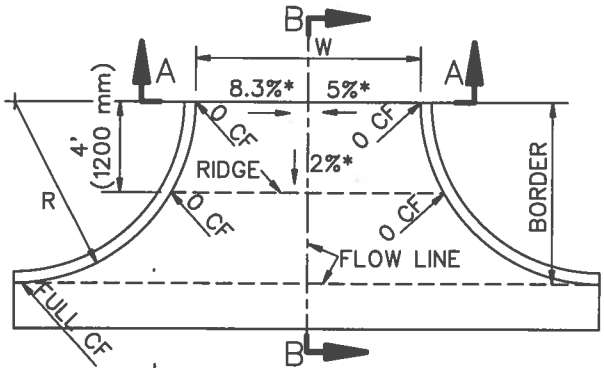


LONGITUDINAL GUTTER

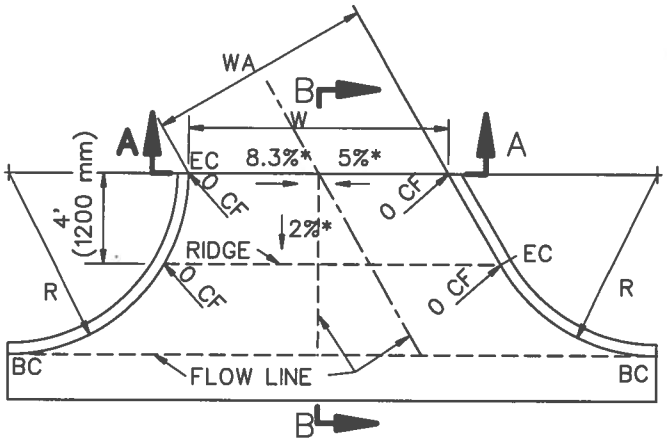
NOTES:

1. WEAKENED–PLANE AND/OR CONSTRUCTION JOINTS SHALL BE PLACED IN CURB AND GUTTER AT LOCATIONS SHOWN ON THE TYPICAL JOINT PLAN HEREON.
2. WEAKENED–PLANE JOINTS SHALL BE PLASTIC CONTROL JOINTS OR 1–1/2" (40 mm) DEEP SAW CUTS. CONCRETE SAWING SHALL TAKE PLACE WITHIN 24 HOURS AFTER CONCRETE IS PLACED.
3. DOWELS FOR CONSTRUCTION JOINTS SHALL BE #4 BARS 18" LONG (#13M BARS 450 mm LONG).
4. PLACE A WEAKENED–PLANE OR CONSTRUCTION JOINT WHERE LONGITUDINAL ALLEY GUTTER JOINS CONCRETE ALLEY INTERSECTION.
5. ALL EXPOSED CORNERS ON PCC CURBS AND GUTTERS SHALL BE ROUNDED WITH 1/2" (15 mm) RADIUS.
6. CONCRETE SHALL BE INTEGRAL WITH CURB UNLESS OTHERWISE SPECIFIED.
7. ADJACENT TO CURB RAMPS, CONCRETE SLOPE SHALL BE 5% MAXIMUM FOR A DISTANCE OF 5 FEET (1525 mm) FROM THE CURB FACE FOR THE WIDTH OF THE WIDTH OF THE RAMP, NOT INCLUDING SIDE TRANSITION CURBS.

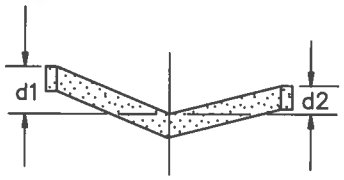
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
CROSS AND LONGITUDINAL GUTTERS	**122–3**
	SHEET 2 OF 2



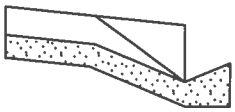
CASE A
STANDARD APPROACH



CASE B
ANGLED APPROACH



SECTION
A–A



SECTION
B–B

W, ft W, mm	8' (2400 mm)	10' (3000 mm)	15' (4500 mm)	20' (6000 mm)	25' (7500 mm)	30' (9000 mm)
d1, ft MAX	0.33' (100 mm)	0.42' (125 mm)	0.63' (188 mm)	0.83' (250 mm)	1.04' (313 mm)	1.25' (375 mm)
d2, ft MIN	0.17' (50 mm)	0.25' (75 mm)	0.25' (75 mm)	0.25' (75 mm)	0.25' (75 mm)	0.25' (75 mm)

NOTES:

1. ALLEY INTERSECTION SHALL BE CONSTRUCTED OF CONCRETE, CLASS 520–C–2500 (310–C–17), 6" (150 mm) THICK.
2. ASTERISKS (*) SHOW MAXIMUM GRADES.

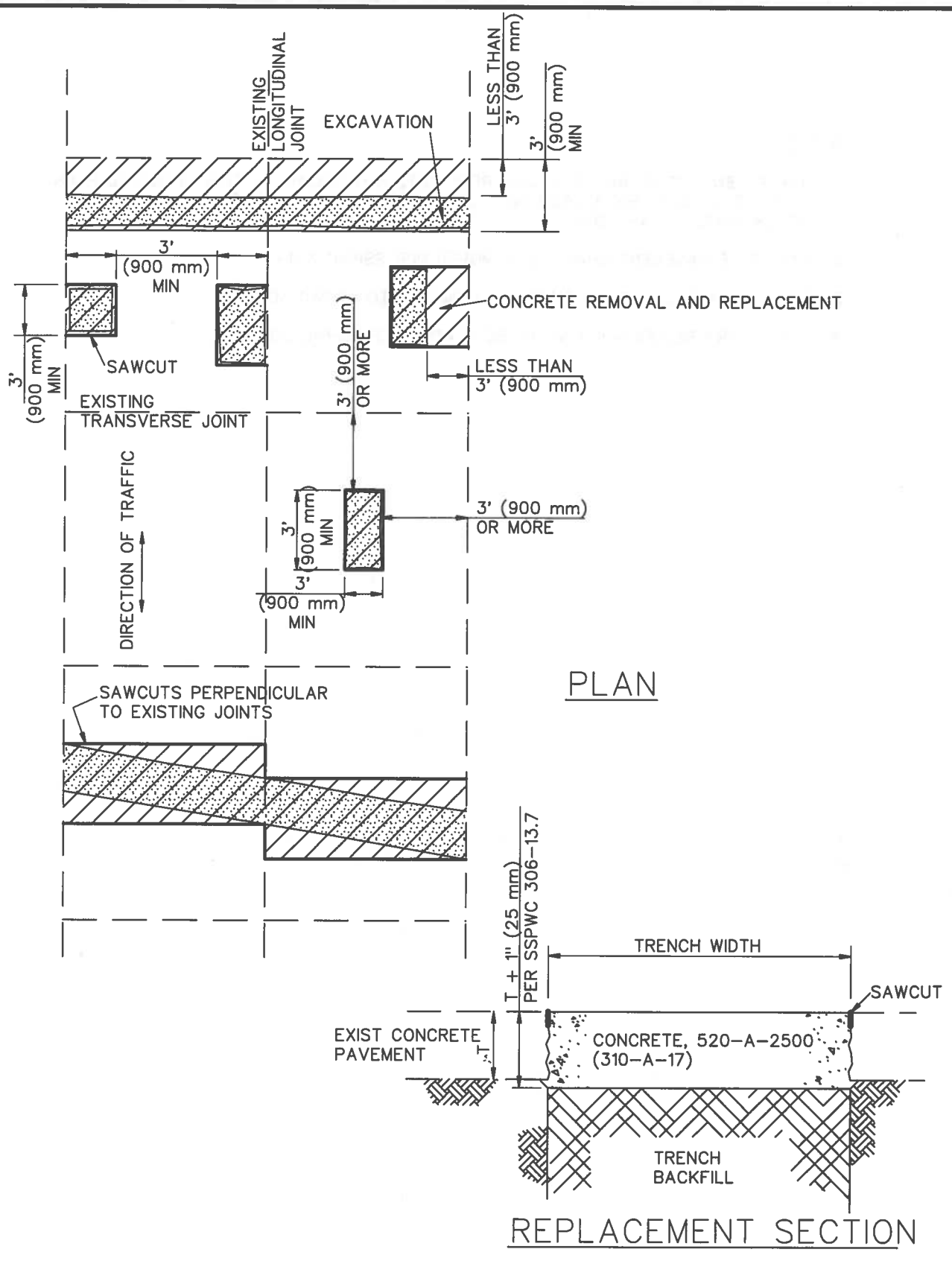
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1984
REV. 1996, 2009, 2021

ALLEY INTERSECTION

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN
130–3
SHEET 1 OF 1



STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1993 REV. 1996, 2005, 2009, 2021

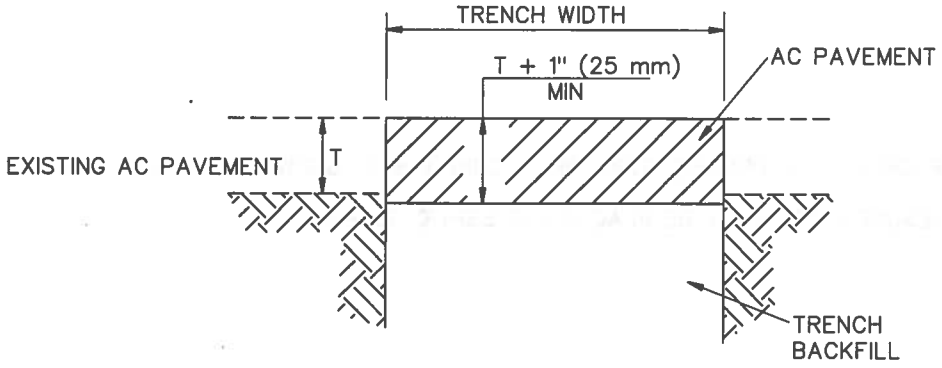
CONCRETE PAVEMENT REPLACEMENT

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

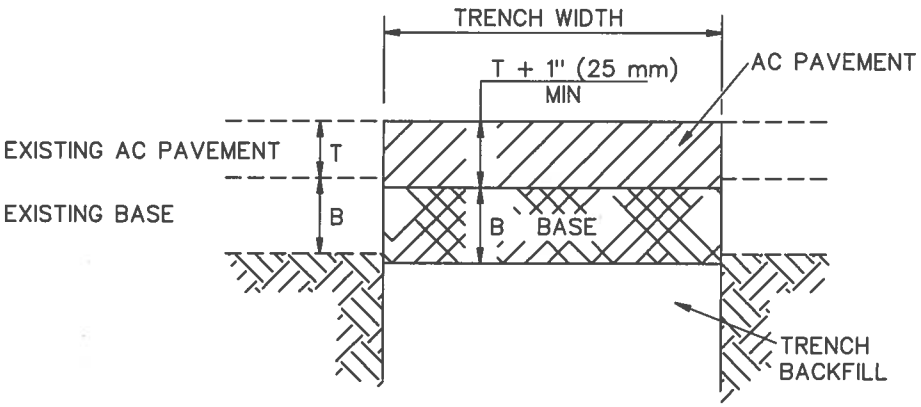
STANDARD PLAN 132-4

NOTES:

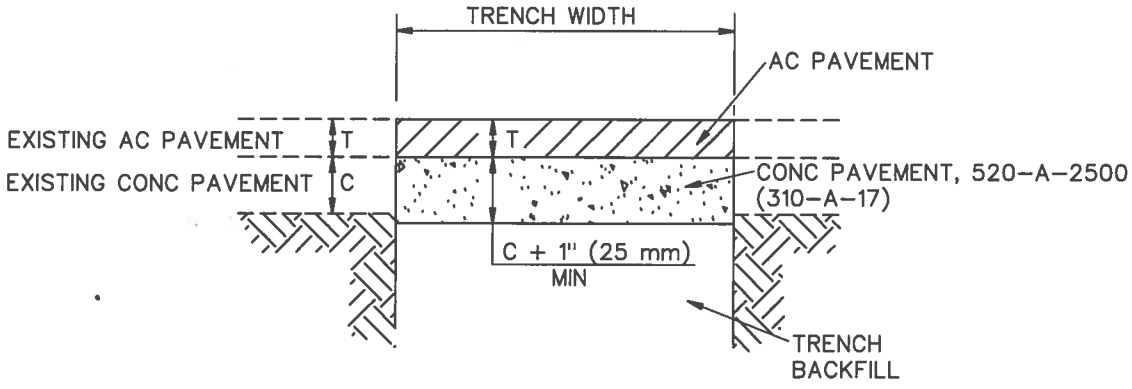
1. THE EXTENT OF REPAIRS FOR CONCRETE CUTS NOT SHOWN ON THIS STANDARD PLAN OR CUTS MADE WITHIN 3' (900 mm) OF EXISTING PATCHES, CRACKS, OR DETERIORATED SLABS SHALL BE DETERMINED BY THE ENGINEER.
2. CONCRETE PAVEMENT SHALL BE REMOVED PER SSPWC 401–3.1.
3. BACKFILL AND DENSIFICATION SHALL CONFORM TO SSPWC 306–1.3.
4. TEMPORARY RESURFACING SHALL BE PLACED PER SSPWC 306–1.5.1.



CASE I – AC PVMT ON TRENCH BACKFILL



CASE II – AC PVMT ON BASE MATERIAL



CASE III – AC PVMT ON CONCRETE PVMT

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1993
REV. 1996, 2005, 2009, 2021

ASPHALT CONCRETE PAVEMENT REPLACEMENT

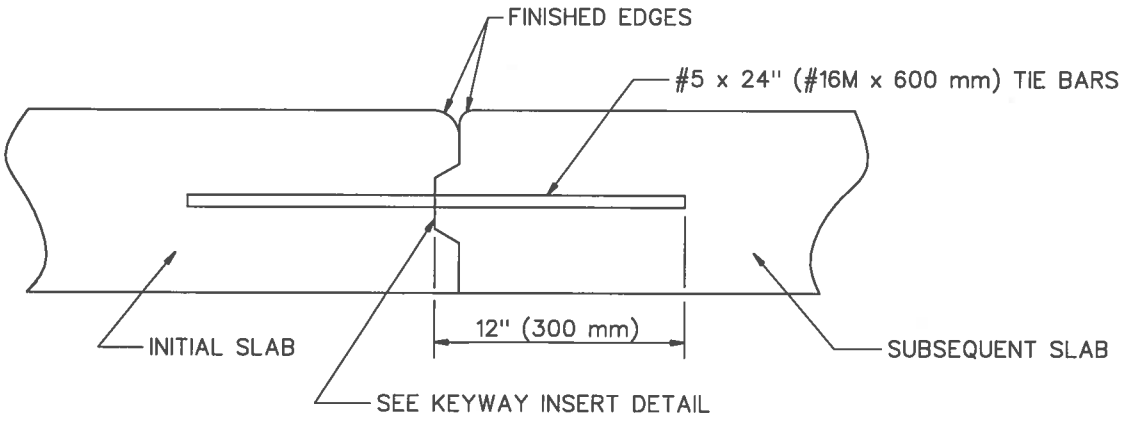
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN
133–4
SHEET 1 OF 2

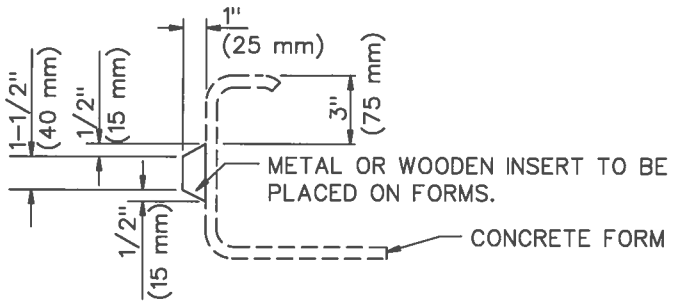
NOTES:

1. TRENCH BACKFILL AND DENSIFICATION SHALL CONFORM TO SSPWC 217–2 AND 306–12.
2. TRENCH RESURFACING SHALL BE PLACED PER SSPWC 306–13.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION	STANDARD PLAN
ASPHALT CONCRETE PAVEMENT REPLACEMENT	**133–4**
	SHEET 2 OF 2



CONSTRUCTION JOINT WITH KEYWAY AND TIE BAR



KEYWAY INSERT DETAIL

NOTES:

1. LONGITUDINAL JOINTS SHALL BE LOCATED AS SHOWN ON PLAN. CONSTRUCTION OR WEAKENED PLANE JOINTS MAY BE USED AT THE CONTRACTOR'S OPTION.
2. TRANSVERSE WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT INTERVALS OF 15' (4500 mm) AND SHALL BE AT LEAST 5' (1500 mm) FROM ANY TRANSVERSE CONSTRUCTION JOINT. (SEE NOTE 5.)
3. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED AS SHOWN HEREON AND AS DIRECTED BY THE ENGINEER.
4. SPACE TIE BARS AT 36" (900 mm) ON-CENTER FOR TRANSVERSE JOINTS AND 45" (1125 mm) FOR LONGITUDINAL JOINTS. PLACE IN MIDDLE THIRD OF SLAB.
5. CONCRETE PAVEMENT JOINTS SHALL CONFORM TO SSPWC 302-6.5.
6. CONSTRUCT CONSTRUCTION JOINTS IN THE APPROACH SLABS AT THE FIRST THREE TRANSVERSE JOINTS OF CONCRETE INTERSECTIONS.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

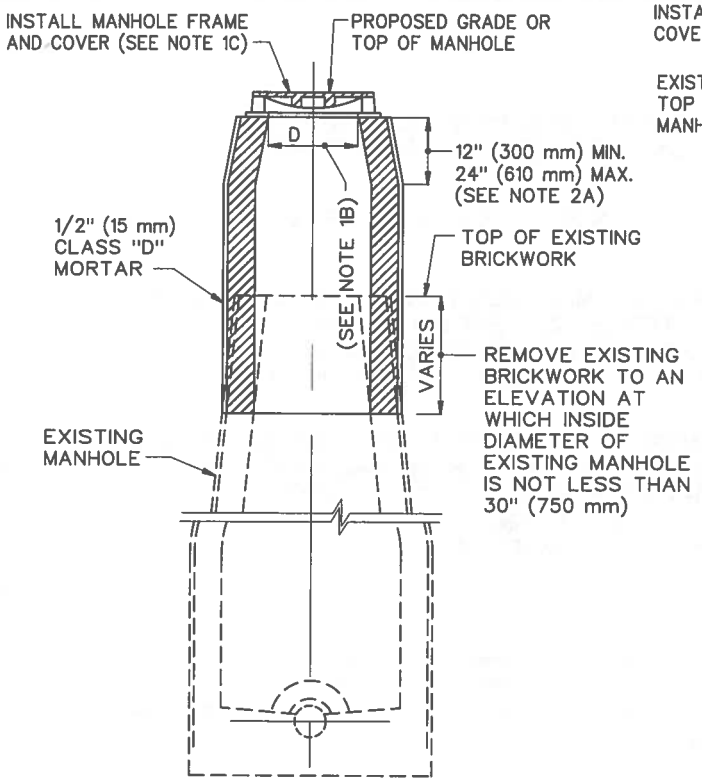
PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1993 REV. 1996, 2009, 2021

CONCRETE PAVEMENT JOINT DETAILS

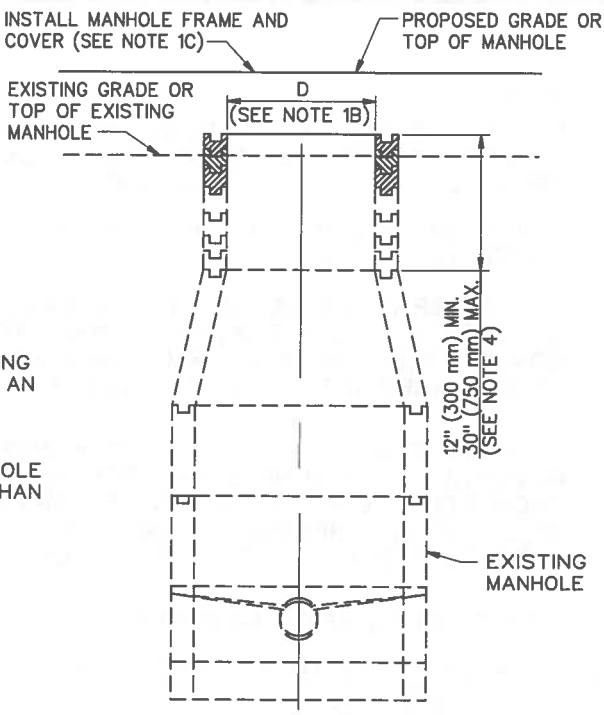
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN 134-3

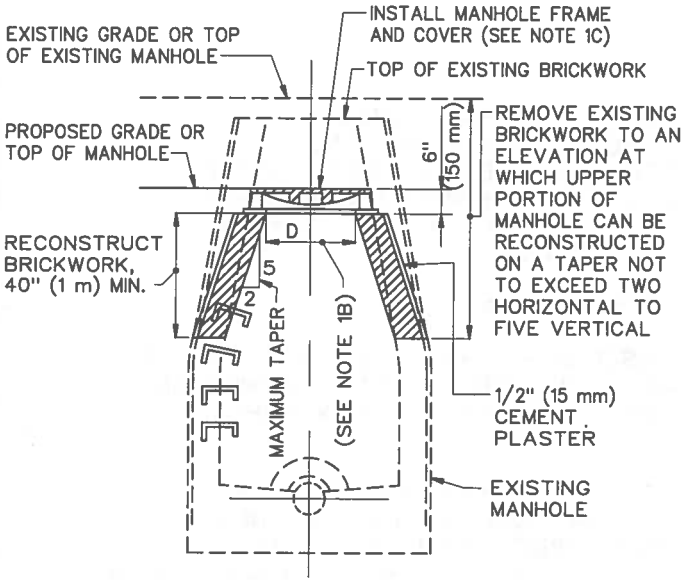
SHEET 1 OF 1



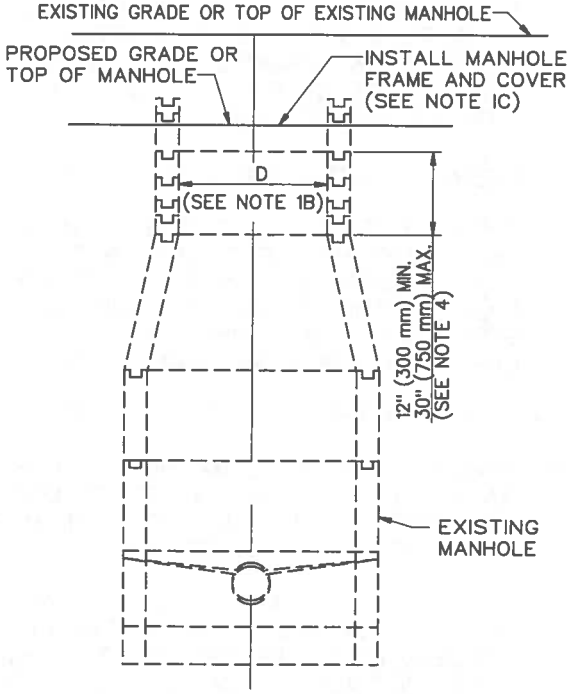
RAISING EXISTING BRICK MANHOLES



RAISING EXISTING PRECAST CONCRETE SEWER MANHOLES



LOWERING EXISTING BRICK MANHOLES



LOWERING EXISTING PRECAST CONCRETE SEWER MANHOLES

BRICK MANHOLES

PRECAST CONCRETE SEWER MANHOLES

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1984 REV. 1998, 2009, 2021

SEWER MANHOLE ADJUSTMENT

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN 205-3

SHEET 1 OF 3

NOTES:

1. GENERAL
   A. EXCEPT AS INDICATED HEREON OR ON THE PLANS, MANHOLES SHALL CONFORM TO: SPPWC 200, PRECAST CONCRETE SEWER MANHOLE AND SPPWC 203, BRICK SEWER MANHOLE.

   B. DIMENSION "D" SHALL BE THE SAME AS THE SIZE OF MANHOLE FRAME AND COVER TO BE USED.

   C. THE CONTRACTOR MAY REUSE THE EXISTING MANHOLE FRAME AND COVER, UNLESS DAMAGED DURING THE WORK OR WHEN OTHERWISE SHOWN IN THE CONTRACT DOCUMENTS. ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED WITH IDENTICAL NEW ITEMS AT NO EXPENSE TO THE AGENCY.

   D. EXISTING STEPS LOCATED WITHIN REMOVAL LIMITS SHALL BE REPLACED. WHEN REMOVAL OF EXISTING STEPS BEYOND THE MANHOLE REMOVAL LIMITS IS SHOWN ON THE PLANS, THE STEPS SHALL BE REMOVED TO A DEPTH OF 2" (50 mm) BEYOND THE INSIDE FACE OF THE BRICK MANHOLE AND THE HOLES SHALL BE FILLED WITH CLASS "D" MORTAR.

2. RAISING EXISTING BRICK MANHOLES
   A. BRICK MANHOLES TO BE RAISED LESS THAN 1' (300 mm) MAY BE EXTEND VERTICALLY, PROVIDED THAT AT A DEPTH OF 2 1/2' (750 mm) BELOW THE TOP OF THE MANHOLE AT ITS NEW ELEVATION, THE INSIDE DIAMETER OF THE MANHOLE IS 30" (750 mm) OR GREATER.

   B. BRICK MANHOLES TO BE RAISED LESS THAN 3 1/2" (90 mm) MAY BE RAISED BY APPLYING CLASS "D" MORTAR TO THE TOP OF THE EXISTING BRICKWORK. IF THE BRICK MANHOLE IS TO BE RAISED 3 1/2" (90 mm) OR MORE, A NEW COURSE OR COURSES OF BRICKWORK SHALL BE PLACED ON TOP OF THE EXISTING BRICKWORK.

3. LOWERING EXISTING BRICK MANHOLES
   A. WHERE A BRICK MANHOLE IS TO BE LOWERED LESS THAN 1' (300 mm), THE FRAME MAY BE RESET ON THE EXISTING BRICKWORK AND THE 40" (1 m) MINIMUM BRICKWORK RECONSTRUCTION OMITTED, PROVIDED THAT THE BASE OF THE FRAME DOES NOT OVERHANG THE BRICKWORK ON THE INSIDE SURFACE OF THE MANHOLE MORE THAN AN AVERAGE OF 1 1/2" (35 mm) IN ANY QUADRANT NOR MORE THAN 2" (50 mm) AT ANY POINT.

4. RAISING EXISTING PRECAST CONCRETE SEWER MANHOLES
   A. PRECAST CONCRETE MANHOLES TO BE RAISED LESS THAN 3" (75 mm) MAY BE RAISED BY APPLYING CLASS "D" MORTAR TO THE TOP OF THE EXISTING MANHOLE, PROVIDED THE TOTAL HEIGHT OF MORTAR, EXISTING AND NEWLY APPLIED, DOES NOT EXCEED 3" (75 mm).

   B. WHERE THE PRECAST CONCRETE MANHOLE IS TO BE RAISED 3" (75 mm) OR MORE, OR WHERE THE TOTAL HEIGHT OF MORTAR, EXISTING AND NEWLY APPLIED, WOULD EXCEED 3" (75 mm), GRADE RINGS SHALL BE UTILIZED. CLASS "D" MORTAR MAY BE USED FOR FINAL ADJUSTMENT, BUT NOT MORE THAN 3" (75 mm) IN HEIGHT. WHERE RAISING THE MANHOLE WOULD RESULT IN THE UPPER SEGMENT OF THE SHAFT BEING MORE THAN 30" (750 mm) IN HEIGHT, REMOVE THE REDUCER AND THE UPPER SEGMENT OF THE SHAFT, INSTALL ADDITIONAL RINGS OR PIPE TO THE LOWER SEGMENT OF THE SHAFT, AND REINSTALL THE REDUCER AND GRADE RINGS AS REQUIRED.

5. LOWERING EXISTING PRECAST CONCRETE SEWER MANHOLES

   A. REMOVE SUFFICIENT GRADE RINGS TO LOWER THE MANHOLES AS REQUIRED, APPLY CLASS "D" MORTAR TO A HEIGHT NOT EXCEEDING 3" (75 mm) FOR ADJUSTMENT TO FINAL GRADE.

   B. WHERE REMOVAL OF GRADE RINGS WOULD RESULT IN THE UPPER SEGMENT OF THE SHAFT BEING LESS THAN 12" (300 mm) IN HEIGHT, REMOVE THE REDUCER AND SUFFICIENT SECTIONS OF THE LOWER SEGMENT OF THE SHAFT AND REINSTALL ANY NECESSARY SEGMENT OF THE LOWER SHAFT, THE REDUCER, AND THE GRADE RINGS TO CONFORM TO THE REQUIREMENTS OF THIS PLAN.

   C. EXISTING GRADE RINGS NEED NOT BE REMOVED IF EXISTNG MORTAR IS REMOVED, AND AT LEAST 1 1/2" (35 mm) OF MORTAR MAY BE PLACED ON TOP OF THE EXISTING GRADE RINGS TO RESEAT THE FRAME.

6. REPLACEMENT OF BRICK REDUCER WITH PRECAST CONCRETE REDUCER AND SHAFT

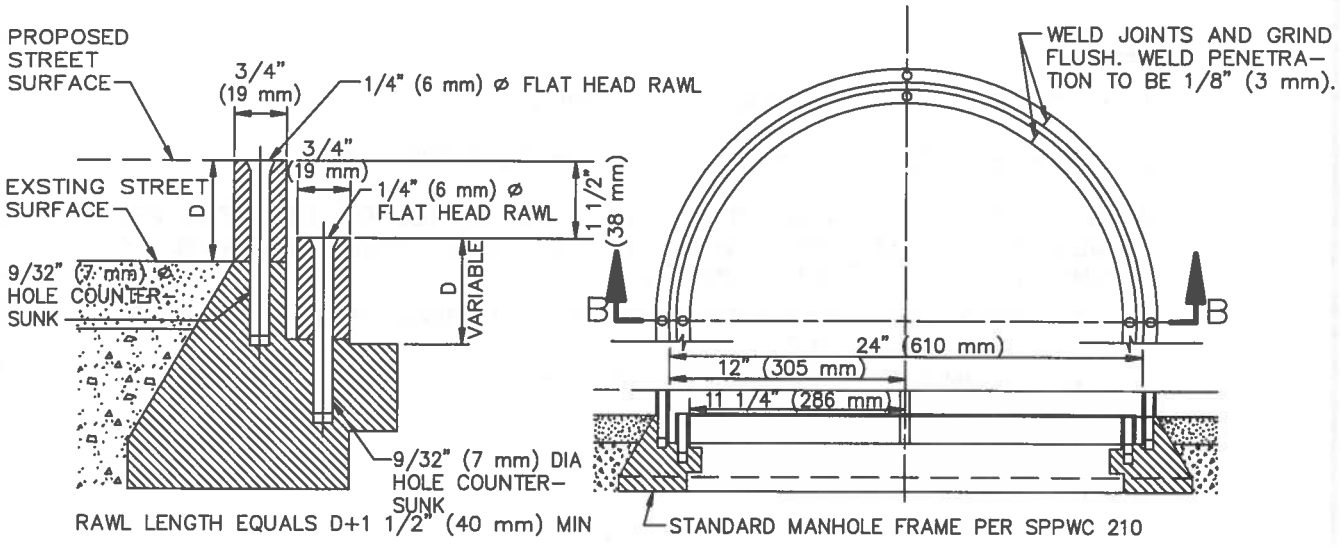
   UNLESS OTHERWISE INDICATED ON THE PLANS, THE CONTRACTOR MAY INSTALL A PRECAST CONCENTRIC CONCRETE REDUCER, CONCRETE GRADE RINGS, AND CONCRETE PIPE IN LIEU OF RECONSTRUCTING A BRICK REDUCER, PROVIDED:

   A. THE MAXIMUM ID OF SEWER PIPE CONNNECTED TO THE MANHOLE DOES NOT EXCEED 8" (200 mm).

   B. THE CONTRACTOR SECURES PRIOR APPROVAL FROM THE ENGINEER TO INSTALL THE CONCENTRIC REDUCER ONTO THE MANHOLE SHAFT. THE ENGINEER MAY, AS PART OF THE INSTALLATION REQUIREMENTS, REQUIRE THE CONTRACTOR TO COAT THE INSIDE OF THE REDUCER, RINGS, AND PIPE WITH AN APPROVED COATING.

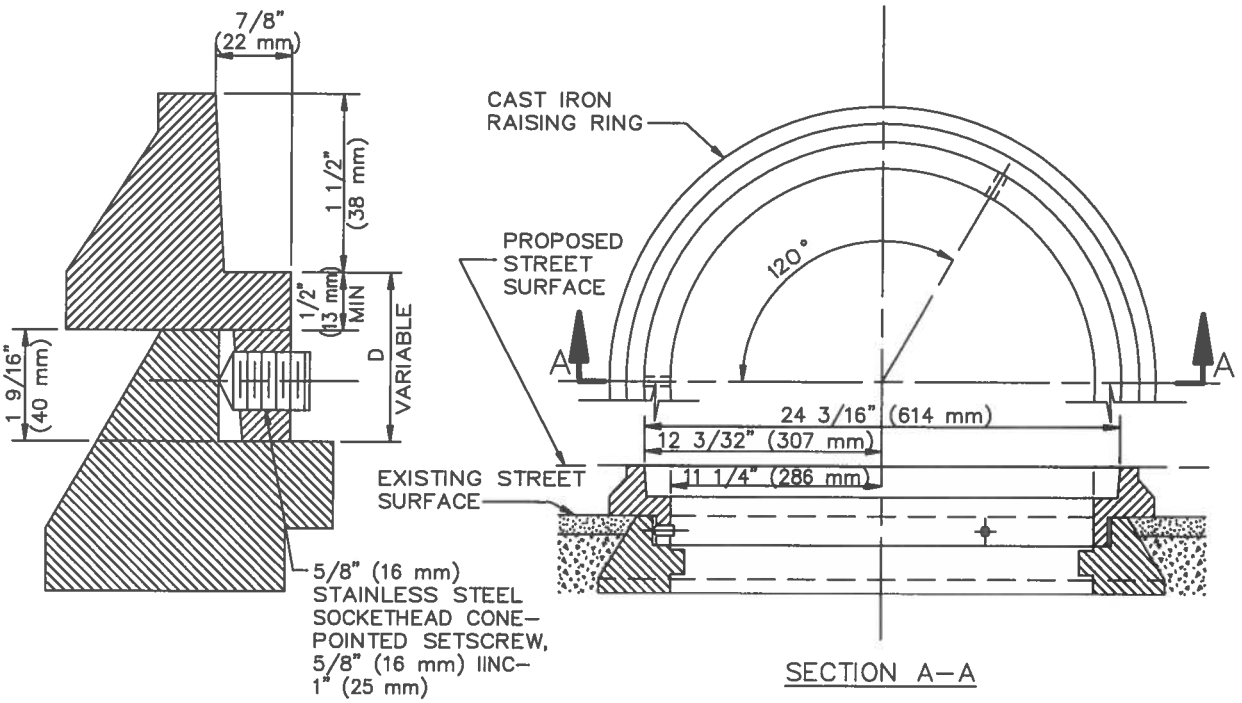
   C. THE CONCRETE GRADE RINGS, THE CONCRETE REDUCER, AND ANY CONCRETE PIPE SHALL BE JOINED TOGETHER AND BEDDED ONTO THE EXISTING BRICK MANHOLE WITH CLASS "D" MORTAR. THE DEPTH, WIDTH, AND THICKNESS OF THE MORTAR SHALL BE OF SUFFICIENT DIMENSIONS TO PROPERLY AND ADEQUATELY JOIN AND BED THE COMPONENT PARTS.

RAISING RINGS TO BE MADE OF STEEL, ASTM DESIGNATION AT MERCHANT QUALITY



SECTION B–B

STEEL RAISING RINGS



SECTION A–A

CAST IRON RAISING RINGS

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1984 REV. 1996, 2009

MANHOLE RAISING RINGS

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN 206–2

NOTES:

1. MACHINE SEATS FROM CAST IRON RINGS.
2. THE CAST IRON USED SHALL CONFORM TO SSPWC 206-3.
3. THE METAL RAISING RINGS MAY BE USED IN LIEU OF THE REGULAR METHOD OF ADJUSTMENT UTILIZING MORTAR OR BRICK AND MORTAR UNDER THE FOLLOWING CONDITIONS.
   A. ONLY ONE ADJUSTMENT WITH RAISING RINGS WILL BE ALLOWED ON ANY MANHOLE.
   B. MAXIMUM "D" SHALL BE 3" (75 mm).

APPENDIX “B”

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR)
CONTRACTOR REGISTRATION NUMBER FORM

Department of Industrial Relations (DIR)
Contractor Registration Number

Beginning July 1, 2014, contractors must register with the Department of Industrial Relations (DIR) before bidding on public works contracts in California. For more information, please refer to this section of the Department of Industrial Relations Website: http://www.dir.ca.gov/Public-Works/PublicWorks.html.

Per this requirement, provide the following information:

_____

Contractor Name

_____

Contractor Department of Industrial Relations Registration Number:

_____

Expiration Date of Registration Number

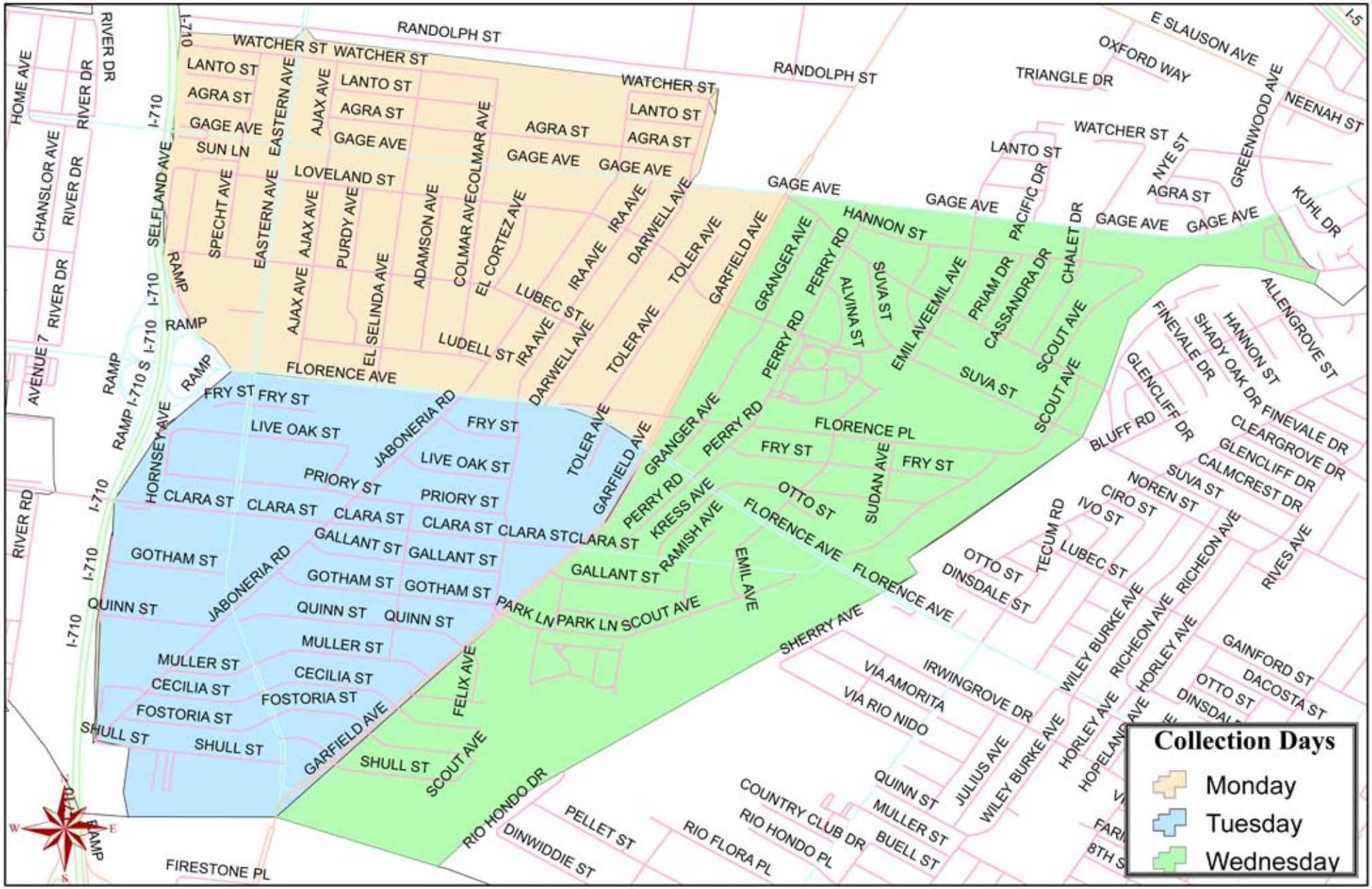
*(THIS FORM MUST BE SUBMITTED WITH THE SEALED BID) *

APPENDIX “C”

TRASH COLLECTION SCHEDULE

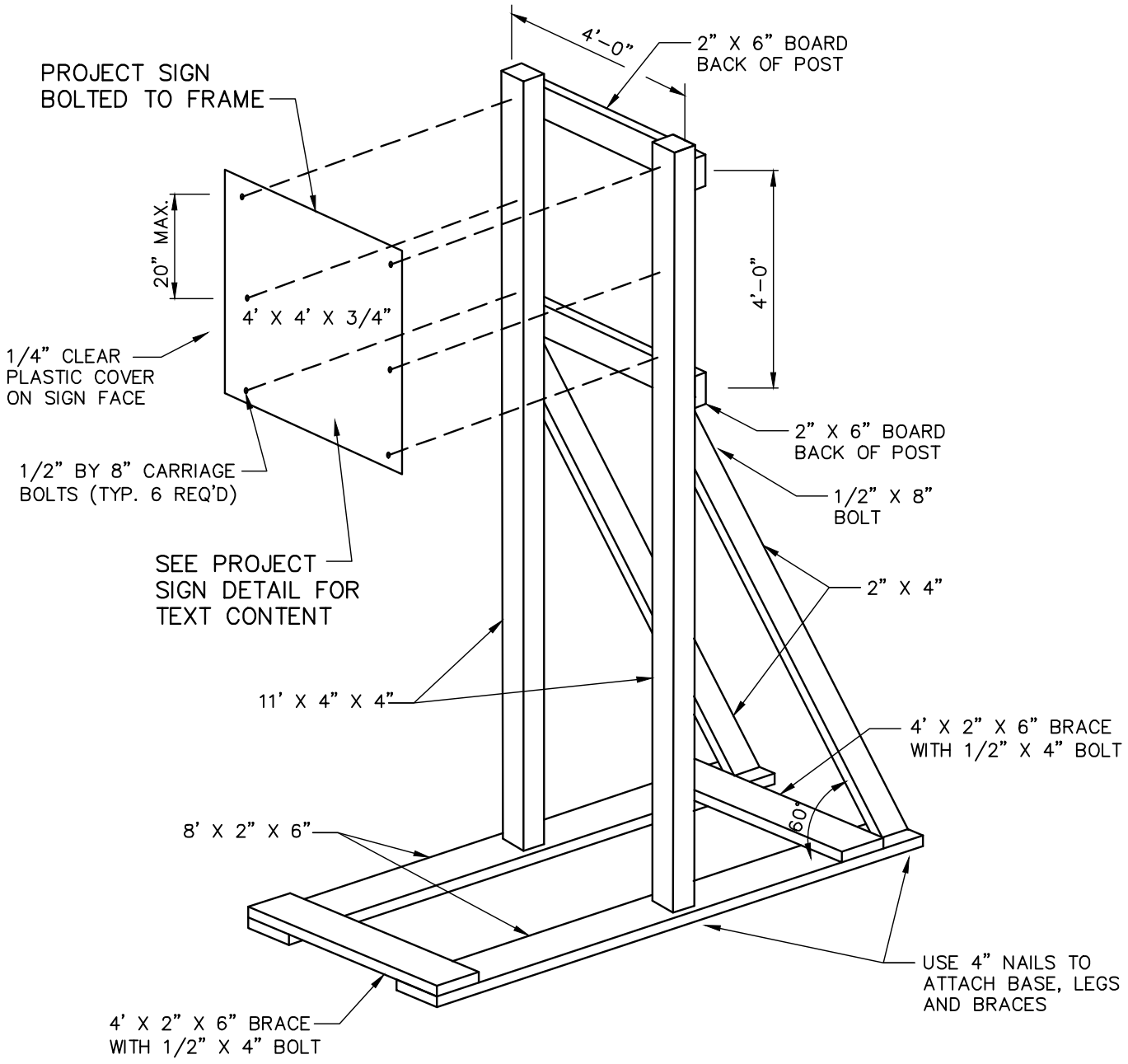
Athens Services
Waste Collection • Recycling • Transfer • Disposal • Street Sweeping

Bell Gardens - Residential Service Collection Days



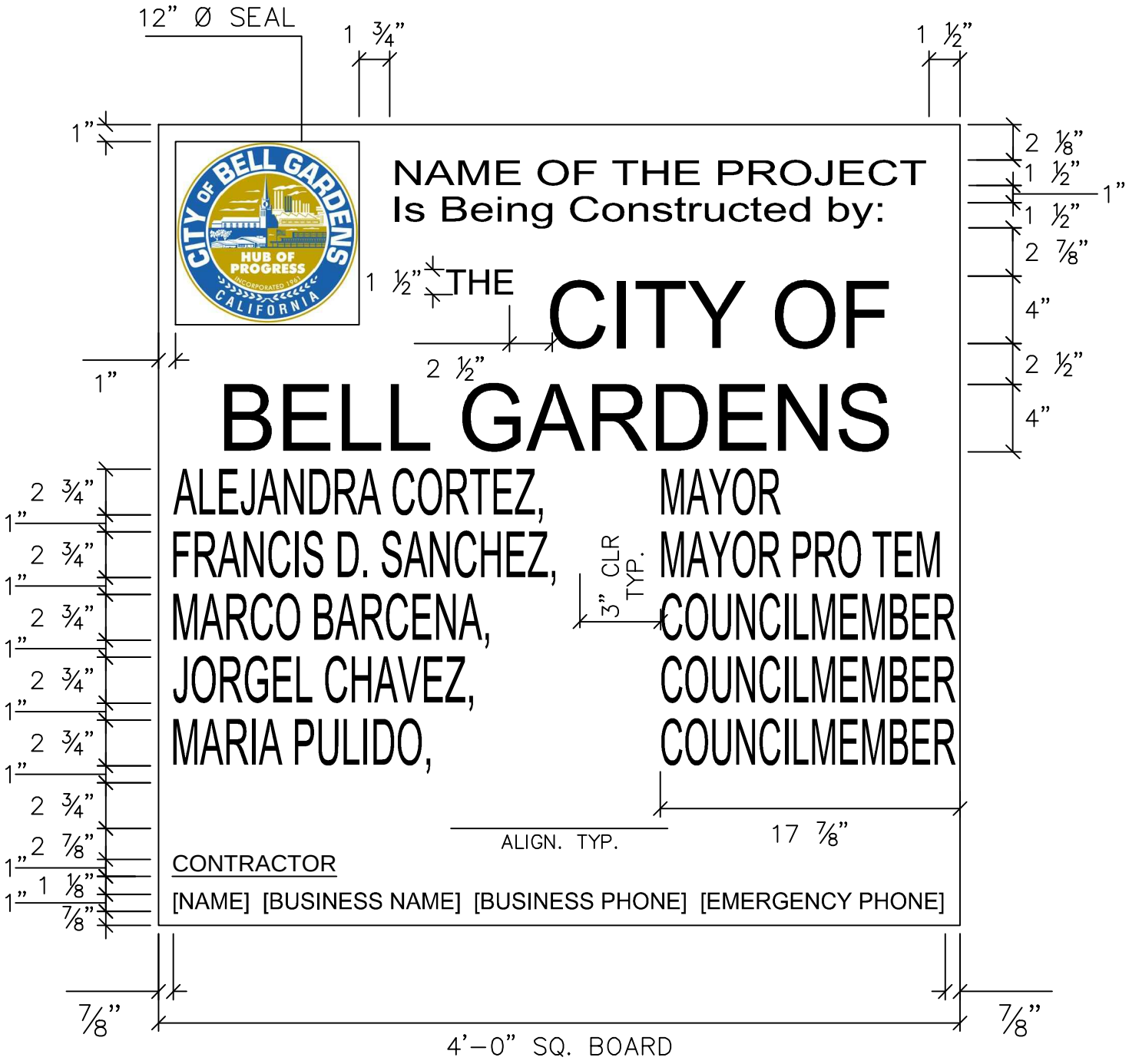
APPENDIX “D”

PUBLIC IMPROVEMENT PROJECT SIGNS



PUBLIC IMPROVEMENT SIGN MOUNTING FRAME

NO SCALE



SIGN LETTERING DETAIL

NO SCALE